No. 2

JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF TUNISIA

> THE FEASIBILITY STUDY ON THE IRRIGATED AREA IMPROVEMENT IN OASIS

IN THE SOUTH OF THE REPUBLIC OF TUNISIA

> VOLUME III FINAL REPORT (DRAWINGS)

SANYU CONSULTANTS INC. // NIPPON KOEI CO., LTD //



JAPAN INTERNATIONAL COOPERATION AGENCY REPUBLIC OF TUNISIA

# THE FEASIBILITY STUDY

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# THE IRRIGATED AREA IMPROVEMENT

IN

OASIS

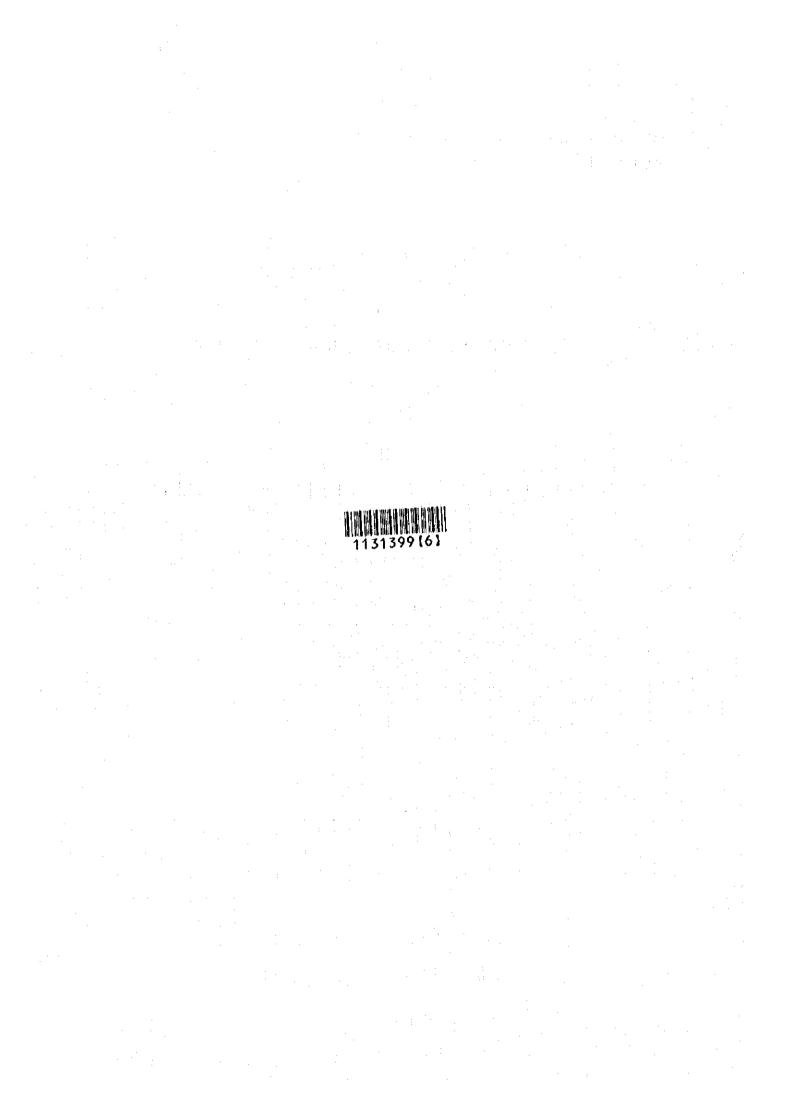
ÎN

THE SOUTH OF THE REPUBLIC OF TUNISIA

VOLUME III FINAL REPORT (DRAWINGS)

**AUGUST 1996** 

SANYU CONSULTANTS INC. NIPPON KOEI CO., LTD



#### VOLUME III

#### DRAWINGS

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### (1) IMPROVEMENT PLAN OF IRRIGATION AND DRAINAGE FACILITIES IN GAFSA GOVERNORATE

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#### (3) IMPROVEMENT PLAN OF IRRIGATION AND DRAINAGE FACILITIES IN KEBILI GOVERNORATE

#### (4) IMPROVEMENT PLAN OF IRRIGATION AND DRAINAGE FACILITIES IN GABES GOVERNORATE

List of sample survey in four(4) governorate

				and the second	
Cord	Name of	Planned	No. of	Sample	Sample A./
No.	Oasis	Area(ha)	Sample	Area(ha)	Planned A. (%)
G <b>F- 1</b>	Kasba	698	4	46.320	6,6
GF- 2	Sud Quest	703	3	41.750	5.9
GF- 3	El Guettar	450	: 1	46.400	10.3
GF- 4	Lalla	700	4	46.030	6.6
GF- 5	El Ksar	578	3	44.620	7.7
GF- 6	Qued Shili	56	. 1	4.620	8.3
GF- 7	Thelja	65	1	2.560	3.9
GF- 8	Segdoud	217	2	15.360	7.1
	Total/Average	3,467	19	247.660	7.1

(1) Gafsa Governorate

#### (2) Tozeur Governorate

	the state of the state of the	1. 4 × 1. 1. 1. 1. 1.		1	and the second
Cord	Name of	Planned	No. of	Sample	Sample A./
No.	Oasis	Area(ha)		Area(ha)	Planned A.(%)
	Tozeur	929	5	24.390	2.6
	Kastilia	50	1	3.200	6.4
	Oued El Koucha	62	1	4.000	6.5
	Neflayette	72	1	5.400	7.5
	Chemsa	90	1	5.920	6.6
	Helba Est	75	1	4.950	6.6
TZ-7	Helba Quest	50	1	4.095	8.2
TZ- 8	Uhim 1	40	<b>1</b>	8.000	20.0
	Uhia 2	167	1	6.000	3.6
	Ibn Chabbat 3 (*)	325	1	9.600	3.0
	Nefta	852	4	26.388	
	Ghardgaya	40	1	4.725	11.8
	Ibn Chabbat 1 (*)	240	1	6.810	2.8
	Ibn Chabbat 2 (*)		1	7.470	2.7
	Draa Sud	198	2	10.850	5.5
	Hazova 1	72	2	6.645	9.2
	Hazova 2	48	2	4.030	8.4
	Hazova 3	238	4	19.346	8.1
	Oued Loghrissi	78	1	4.100	5.3
	Tazrarit	48	1	4.340	
TZ~ 21	Cedada	55	1	4.250	
TZ- 22	Dghoumes	104	2	6,320	
TZ- 23	Degache	822	3	26.500	3.2
TZ- 24	Chaknou	90	1	7.700	8.6
FZ- 25	El Hamma	400	2	9.900	2.5
	Tamerza	80	1	6.680	
	Chebika	23	1	1.380	6.0
TZ- 28	Foum El Khanga	48	1	1.380	
12-29	Mides	29	1	2,500	
fZ- 30	Ain El Karma	25	1	1.910	
	Total/Average	5,622	47	238.779	

#### (3) Kebili Governorate

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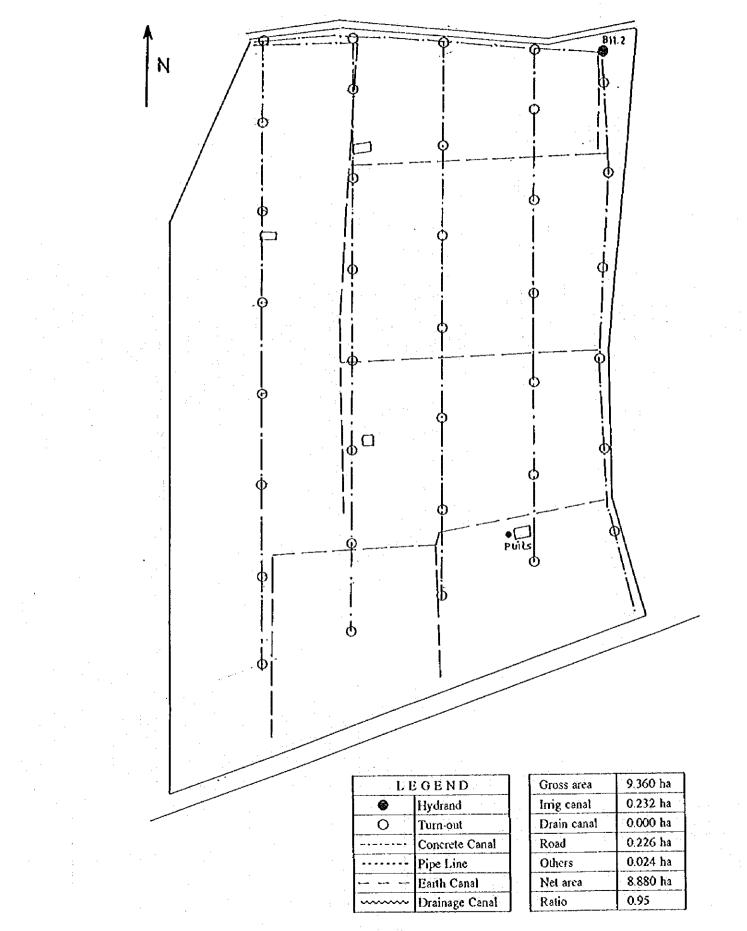
No.         Qasis         Area(ha)         Sample         Area(ha)         Planned           KB-1         Bechri         162         1         4.480         1           KB-2         Bouabdallah         270         2         16.510         1           KB-3         Fatnassa         205         2         12.260         1           KB-4         El Gliaa         94         1         6.550         1           KB-5         Menchia         140         1         9.240         1           KB-6         Nagga         181         2         9.940         1         6.550           KB-7         Oum Somaa         162         1         0.010         1         9.240           KB-7         Oum Somaa         162         1         9.240         1         10.010           KB-8         Oued Zira         176         1         9.600         1         1.000         1         1.000         1         1.000         1         1.000         1         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000         1.000 <td< th=""><th>1./</th></td<>	1./
(B-1)       Bechri       162       1       4.480         (B-2)       Bouabdallah       270       2       16.510         (B-3)       Fatnassa       205       2       12.260         (B-4)       KI Gliaa       94       1       6.550         (B-5)       Menchia       140       1       9.240         (B-6)       Nagga       181       2       9.940         (B-7)       Oun Somaa       162       1       0.010         (B-7)       Oun Somaa       162       1       0.010         (B-8)       Dued Zira       176       1       9.600         (B-9)       Ouled Touati       62       1       5.720         (B-10)       Tenchig       54       1       3.520         (B-11)       Zaouiet El Anes       125       1       5.060         (B-12)       Zaouiet El Harth       81       1       8.870         (B-13)       Ziret Louhichi       86       1       5.100         (B-16)       Jedida       133       1       10.500         (B-16)       Jedida       133       1       10.500         (B-17)       Marsoura       86	
KB-2       Bouabdallah       270       2       16.510         KB-3       Fatnassa       205       2       12.260         KB-4       El Gliaa       94       1       6.550         KB-5       Menchia       140       1       9.240         KB-6       Nagga       181       2       9.940         KB-7       Oum Somaa       162       1       10.010         KB-7       Oun Somaa       162       1       5.720         KB-8       Dued Zira       176       1       9.600         KB-9       Ouled Touati       62       1       5.720         KB-10       Tenchig       54       1       3.520         KB-11       Zaouiet El Anes       125       1       5.060         KB-13       Ziret Louhichi       86       1       5.100         KB-14       Chouchet Nagga       26       1       2.000         KB-16       Juataya       150       2       9.540         KB-16       Jedida       133       1       10.600         KB-18       Rabta       162       2       9.470         KB-20       Tembib       118       1	2.8
KB 3       Fatnassa       205       2       12.260         KB 4       El Gliaa       94       1       6.550         KB 5       Menchia       140       1       9.240         KB 6       Nagga       181       2       9.940         KB 7       Oum Somaa       162       1       10.010         KB 7       Soued Zira       176       1       9.600         KB 7       Oum Somaa       162       1       5.720         KB 8       Dued Touati       62       1       5.720         KB 10       Tenchig       54       1       3.520         KB 11       Zaouiet El Anes       125       1       5.060         KB 13       Ziret Louhichi       86       1       5.100         KB 14       Chouchet Nagga       26       1       2.000         KB 14       Chouchet Nagga       26       1       2.000         KB 14       Chouchet Nagga       26       1       2.000         KB 14       Chouchet Nagga       26       2       9.470         KB 14       Ideida       133       1       10.500         KB 20       Tembib       118	6.1
KB-4       El Giiaa       94       1       6.550         KB-5       Menchia       140       1       9.240         KB-6       Nagga       181       2       9.340         KB-7       Oum Somaa       162       1       10.010         KB-8       Dued Zira       176       1       9.600         KB-9       Ouled Touati       62       1       5.720         KB-10       Tenchig       54       1       3.520         KB-11       Zaouiet El Anes       125       1       5.060         KB-13       Ziret Louhichi       86       1       5.100         KB-14       Chouchet Nagga       26       1       2.000         KB-16       Jedida       133       1       10.500         KB-17       Masoura       86       2       4.100         KB-17       Masoura       86       2       4.100         KB-21       Tombar       127       2 <t< td=""><td>6.0</td></t<>	6.0
KB-5       Menchia       140       1       9.240         KB-6       Nagga       181       2       9.940         KB-7       Oum Somaa       162       1       10.010         KB-8       Oued Zira       176       1       9.600         KB-9       Ouled Touati       62       1       5.720         KB-10       Tenchig       54       1       3.520         KB-11       Zaouiet El Anes       125       1       5.060         KB-12       Zaouiet El Harth       81       1       8.870         KB-13       Ziret Louhichi       86       1       2.000         KB-14       Chouchet Nagga       26       1       2.000         KB-16       Jedida       133       1       10.600         KB-16       Jedida       133       1       10.600         KB-18       Rabta       162       2       9.470         KB-20       Tembib       118       1       7.070         KB-21       Tombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Maraa Neji       66       1 <td>7.0</td>	7.0
(B- 6)       Nagga       181       2       9.940         (B- 7)       Oum Somaa       162       1       10.010         (B- 8)       Dued Zira       176       1       9.600         (B- 9)       Ouled Touati       62       1       5.720         (B- 10)       (enchig)       54       1       3.520         (B- 11)       Zaouiet El Anes       125       1       5.060         (B- 12)       Zaouiet El Harth       81       1       8.870         (B- 13)       Ziret Louhichi       86       1       5.100         (B- 14)       Chouchet Nagga       26       1       2.000         (B- 15)       Guataya       150       2       9.540         (B- 16)       Fedida       133       10.500         (B- 17)       Mansoura       86       2       4.100         (B- 18)       Rabta       162       2       9.470         (B- 18)       Rabta       162       2       9.470         (B- 20)       Tembib       118       1       7.070         (B- 21)       Tombar       127       2       4.400         (B- 22)       Limagues       57	6.6
KB-7       Dum Somaa       162       1       10.010         KB-8       Dued Zira       176       1       9.600         KB-9       Duled Touati       62       1       5.720         KB-10       Tenchig       54       1       3.520         KB-11       Zaouiet El Anes       125       1       5.060         KB-12       Zaouiet El Marth       81       1       8.870         KB-13       Ziret Louhichi       86       1       5.100         KB-14       Chouchet Nagga       26       1       2.000         KB-15       Guataya       150       2       9.540         KB-16       Jedida       133       10.500       10.500         KB-17       Mansoura       86       2       4.100         KB-20       Pelmine       240       2       14.140         KB-21       Tombar       127       2       4.400         KB-21       Tombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa Neji       66       1       3.000         KB-24       Dum El Farth 1et2       5	5.5
KB-       8       Dued Zira       176       1       9.600         KB-       9       Duled Touati       62       1       5.720         KB-       10       Tenchig       54       1       3.520         KB-       11       Zaouiet El Anes       125       1       5.060         KB-       12       Zaouiet El Harth       81       1       8.870         KB-       13       Ziret Louhichi       86       1       5.100         KB-       14       Chouchet Nagga       26       1       2.000         KB-       16       Jedida       133       1       10.500         KB-       18       Rabta       162       2       9.470         KB-       19       Telmine       240       2       14.140         KB-       20       Feabib       118       1       7.070         KB-       21       Fonbar       127       2       4.400         KB-       22       Linagues       57       1       3.270         KB-       CB-       23       Maraa Neji       66       1       3.000         KB-       24       Dum El Farth let2	6.2
KB-9         Quied Touati         62         1         5.720           KB-10         Tenchig         54         1         3.520           KB-11         Zaouiet El Anes         125         1         5.060           KB-12         Zaouiet El Harth         81         1         8.870           KB-13         Ziret Louhichi         86         1         5.100           KB-14         Chouchet Nagga         26         1         2.000           KB-15         Guataya         150         2         9.540           KB-16         Jedida         133         1         10.500           KB-17         Mansoura         86         2         4.100           KB-18         Rabta         162         2         9.470           KB-19         Felmine         240         2         14.140           KB-20         Feabib         118         1         7.070           KB-21         Fombar         127         2         4.400           KB-22         Limagues         57         1         3.270           CB-23         Maraa Neji         66         1         3.000           CB-24         Dum El Farth let2 <td>5.5</td>	5.5
KB-10         Tenchig         54         1         3.520           KB-11         Zaouiet EI Anes         125         1         5.060           KB-12         Zaouiet EI Harth         81         1         8.870           KB-13         Ziret Louhichi         86         1         5.100           KB-14         Chouchet Nagga         26         1         2.000           KB-15         Guataya         150         2         9.540           KB-16         Jedida         133         1         10.500           KB-17         Mansoura         86         2         4.100           KB-18         Rabta         162         2         9.470           KB-19         Telmine         240         2         14.140           KB-20         Tembib         118         1         7.070           KB-21         Tombar         127         2         4.400           KB-22         Limagues         57         1         3.270           KB-23         Mazraa Neji         66         1         3.000           KB-24         Qum EI Farth let2         55         1         6.840           KB-27         Barghouthia <td>9.2</td>	9.2
(B-11 Zaouiet El Anes       125       1       5.060         (B-12 Zaouiet El Harth       81       1       8.870         (B-13 Ziret Louhichi       86       1       5.100         (B-14 Chouchet Nagga       26       1       2.000         (B-15 Guataya       150       2       9.540         (B-16 Jedida       133       1       10.500         (B-16 Jedida       133       1       10.500         (B-17 Mansoura       86       2       4.100         (B-18 Rabta       162       2       9.470         (B-19 Telmine       240       2       14.140         (B-20 Tembib       118       1       7.070         (B-21 Tombar       127       2       4.400         (B-22 Limagues       577       1       3.270         (B-23 Maznaa Neji       66       1       3.000         (B-25 Stiftimi       82       1       6.840         (B-26 Saidane       30       1       2.000         (B-28 Bazma       146       2       9.480         (B-29 B'chelli       135       3       8.060         (B-29 B'chelli       135       3       8.060	6.5
KB-12       Zaouiet El Harth       81       1       8.870         KB-13       Ziret Louhichi       86       1       5.100         KB-14       Chouchet Nagga       26       1       2.000         KB-15       Guataya       150       2       9.540         KB-16       Jedida       133       1       10.500         KB-17       Mansoura       86       2       4.100         KB-18       Rabta       162       2       9.470         KB-19       Telmine       240       2       14.140         KB-20       Tembib       118       1       7.070         KB-21       Tombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa       Neji       66       1       3.000         KB-25       Stiftimi       82       1       3.600       1       2.000         KB-26       Saidane       30       1       2.000       1       5.230         KB-28       Bazma       146       2       9.480       1       3.600         KB-28       Bazma       146       2	4.0
KB-13       Ziret Louhichi       86       1       5.100         KB-14       Chouchet Nagga       26       1       2.000         KB-15       Guataya       150       2       9.540         KB-16       Jedida       133       1       10.500         KB-17       Mansoura       86       2       4.100         KB-18       Rabta       162       2       9.470         KB-19       Telmine       240       2       14.140         KB-20       Tembib       118       1       7.070         KB-21       Tombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa Neji       66       1       3.000         KB-24       Dum El Farth 1et2       55       1       6.840         KB-25       Stiftimi       82       1       3.600         KB-26       Saidane       30       1       2.000         KB-27       Barma       146       2       9.480         KB-29       Schelli       135       3       8.060         KB-31       Zarcine       70       1 <t< td=""><td>11.0</td></t<>	11.0
KB- 14       Chouchet Nagga       26       1       2.000         KB- 15       Guataya       150       2       9.540         KB- 16       Jedida       133       1       10.500         KB- 17       Mansoura       86       2       4.100         KB- 18       Rabta       162       2       9.470         KB- 19       Telmine       240       2       14.140         KB- 20       Tembib       118       1       7.070         KB- 21       Tombar       127       2       4.400         KB- 22       Limagues       57       1       3.270         KB- 23       Mazraa Neji       66       1       3.000         KB- 24       Oum E1       Farth 1et2       55       1       6.840         KB- 25       Stiftimi       82       1       3.600         KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Bazma       146       2       9.480         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70 </td <td>5.9</td>	5.9
KB-15       Guataya       150       2       9.540         KB-16       Jedida       133       1       10.500         KB-17       Mansoura       86       2       4.100         KB-18       Rabta       162       2       9.470         KB-19       Felmine       240       2       14.140         KB-20       Fembib       118       1       7.070         KB-21       Fombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa       Negi       66       1       3.000         KB-24       Dum El Farth 1et2       55       1       6.840         KB-25       Stiftimi       82       1       3.600         KB-26       Saidane       30       1       2.000         KB-28       Bazma       146       2       9.480         KB-29       Chelli       135       3       8.060         KB-30       Blidette       75       1       4.530         KB-31       Zarcine       70       1       5.500         KB-33       Houria       81       1 <t< td=""><td>7.7</td></t<>	7.7
KB- 16       Jedida       133       1       10.500         KB- 17       Mansoura       86       2       4.100         KB- 18       Rabta       162       2       9.470         KB- 19       Telmine       240       2       14.140         KB- 20       Fembib       118       1       7.070         KB- 21       Fombar       127       2       4.400         KB- 22       Limagues       57       1       3.270         KB- 23       Maraa       Negress       57       1       3.270         KB- 24       Dum El Farth 1et2       55       1       6.840         KB- 25       Stiftimi       82       1       3.600         KB- 25       Stiftimi       82       1       3.600         KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Barma       146       2       9.480         KB- 29       Chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 32       Jemna       112	6.4
KB-17       Mansoura       86       2       4.100         KB-18       Kabta       162       2       9.470         KB-19       Telmine       240       2       14.140         KB-20       Fembib       118       1       7.070         KB-21       Fombar       127       2       4.400         KB-21       Fombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa       Neji       66       1       3.000         KB-23       Mazraa       Neji       666       1       3.000         KB-24       Dum El Farth 1et2       55       1       6.840         KB-25       Stiftimi       82       1       3.600         KB-26       Saidane       30       1       2.000         KB-27       Barghouthia       52       1       6.230         KB-28       Barma       146       2       9.480         KB-30       Blidette       75       1       4.530         KB-32       Jemna       112       1       6.640         KB-33       Houria       81	7.9
KB-19       Telmine       240       2       14.140         KB-20       Fembib       118       1       7.070         KB-21       Fombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa       Neji       66       1       3.000         KB-24       Dum El Farth 1et2       55       1       6.840         KB-25       Stiftimi       82       1       3.600         KB-26       Saidane       30       1       2.000         KB-27       Barghouthia       52       1       6.230         KB-28       Bazma       146       2       9.480         KB-29       Chelli       135       3       8.060         KB-30       Blidette       75       1       4.530         KB-30       Jamaa       112       1       6.640         KB-33       <	4.8
KB- 19       relmine       240       2       14.140         KB- 20       fembib       118       1       7.070         KB- 21       fombar       127       2       4.400         KB- 21       fombar       127       2       4.400         KB- 22       Limagues       57       1       3.270         KB- 23       Mazraa Neji       66       1       3.000         KB- 24       Dum El Farth 1et2       55       1       6.840         KB- 25       Stiftimi       82       1       3.600         KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Bazma       146       2       9.480         KB- 29       Chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 32       Jenna       112 <td< td=""><td>5.8</td></td<>	5.8
KB-20       Fembib       118       1       7.070         KB-21       Fombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa       Neji       66       1       3.000         KB-23       Mazraa       Neji       66       1       3.000         KB-23       Mazraa       Neji       66       1       3.000         KB-24       Dum El Farth let2       55       1       6.840         KB-25       Stiftimi       82       1       3.600         KB-26       Saidane       30       1       2.000         KB-27       Barghouthia       52       1       6.230         KB-28       Bazma       146       2       9.480         KB-28       Bazma       146       2       9.480         KB-30       Blidette       75       1       4.530         KB-31       Zarcine       70       1       5.500         KB-32       Jenna       112       1       6.640         KB-33       Mtouria       81       1       6.260         KB-34       Msaid <t< td=""><td>5.9</td></t<>	5.9
KB-21       Tombar       127       2       4.400         KB-22       Limagues       57       1       3.270         KB-23       Mazraa       Neji       66       1       3.000         KB-23       Mazraa       Neji       66       1       3.000         KB-23       Mazraa       Neji       66       1       3.000         KB-24       Dum El Farth 1et2       55       1       6.840         KB-25       Stiftimi       82       1       3.600         KB-25       Stiftimi       82       1       3.600         KB-26       Saidane       30       1       2.000         KB-27       Barghouthia       52       1       6.230         KB-28       Bazma       146       2       9.480         KB-28       Bazma       146       2       9.480         KB-38       Bazma       146       2       9.480         KB-39       Schelli       135       3       8.060         KB-30       Blidette       75       1       4.530         KB-31       Zarcine       70       1       5.500         KB-33       Mtouria	6.0
KB- 22       Limagues       57       1       3.270         KB- 23       Mazraa       Neji       66       1       3.000         KB- 23       Mazraa       Neji       66       1       3.000         KB- 24       Dum El Farth 1et2       55       1       6.840         KB- 25       Stiftimi       82       1       3.600         KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Bazma       146       2       9.480         KB- 29       Schelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jenna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Ras El Ain       2       15.010         KB- 36       Ras El Ain       268       2       15.010         KB- 38       Ben Zitoun       1et2	3.5
KB- 23       Mazraa Neji       66       1       3.000         KB- 24       Dum El Farth 1et2       55       1       6.840         KB- 25       Stiftimi       82       1       3.600         KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Barma       146       2       9.480         KB- 29       B' chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jenna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       2       15.010       1         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun 1et2       147       2       7.390	5.7
KB- 24       Dum El Farth let2       55       1       6.840         KB- 25       Stiftimi       82       1       3.600         KB- 26       Saidane       30       1       2.000         KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Bazma       146       2       9.480         KB- 29       B' chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jenna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       2       15.010       15.010         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun let2       147       2       7.390	4.5
KB-       25       Stiftimi       82       1       3.600         KB-       26       Saidane       30       1       2.000         KB-       27       Barghouthia       52       1       6.230         KB-       28       Barma       146       2       9.480         KB-       29       B' chelli       135       3       8.060         KB-       29       B' chelli       135       3       8.060         KB-       30       Blidette       75       1       4.530         KB-       30       Blidette       75       1       6.640         KB-       32       Jenna       112       1       6.640         KB-       33       Mtouria       81       1       6.260         KB-       34       Msaid       95       1       6.106         KB-       35       Rahmat       85       1       4.310         KB-       36       Ras El Ain       2       15.010       88         KB-       37       Souk El Baiez       65       1       3.890         KB-       38       Ben Zitoun let2       147       2       7.3	12,4
KB- 26       Saidane       30       1       2.000         KB- 27       Barghouthia       52       1       6.230         KB- 28       Bazma       146       2       9.480         KB- 29       B chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jemna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       268       2       15.010         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun let2       147       2       7.390	4.4
KB- 27       Barghouthia       52       1       6.230         KB- 28       Bazma       146       2       9.480         KB- 29       B'chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jemna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       268       2       15.010         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun let2       147       2       7.390	6.7
KB- 28       Bazma       146       2       9.480         KB- 29       B'chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jemna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       268       2       15.010         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun let2       147       2       7.390	12.0
KB- 29       B' chelli       135       3       8.060         KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jemna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       268       2       15.010         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun let2       147       2       7.390	6.5
KB- 30       Blidette       75       1       4.530         KB- 31       Zarcine       70       1       5.500         KB- 32       Jemna       112       1       6.640         KB- 33       Mtouria       81       1       6.260         KB- 34       Msaid       95       1       6.106         KB- 35       Rahmat       85       1       4.310         KB- 36       Ras El Ain       268       2       15.010         KB- 37       Souk El Baiez       65       1       3.890         KB- 38       Ben Zitoun let2       147       2       7.390	6.0
KB-31       Zarcine       70       1       5.500         KB-32       Jemna       112       1       6.640         KB-33       Mtouria       81       1       6.260         KB-34       Msaid       95       1       6.106         KB-35       Rahmat       85       1       4.310         KB-36       Ras El Ain       268       2       15.010         KB-37       Souk El Baiez       65       1       3.890         KB-38       Ben Zitoun let2       147       2       7.390	6.0
KB-32       Jemna       112       1       6.640         KB-33       Mtouria       81       1       6.260         KB-34       Msaid       95       1       6.106         KB-35       Rahmat       85       1       4.310         KB-36       Ras El Ain       268       2       15.010         KB-37       Souk El Baiez       65       1       3.890         KB-38       Ben Zitoun let2       147       2       7.390	7.9
KB-33         Mtouria         81         1         6.260           KB-34         Msaid         95         1         6.106           KB-35         Rahmat         85         1         4.310           KB-36         Ras El Ain         268         2         15.010           KB-37         Souk El Baiez         65         1         3.890           KB-38         Ben Zitoun let2         147         2         7.390	5.9
KB-34         Msaid         95         1         6.106           KB-35         Rahmat         85         1         4.310           KB-36         Ras El Ain         268         2         15.010           KB-37         Souk El Baiez         65         1         3.890           KB-38         Ben Zitoun let2         147         2         7.390	7.7
KB-         35         1         4.310           KB-         36         Ras         El         Ain         268         2         15.010           KB-         37         Souk         El         Baiez         65         1         3.890           KB-         38         Ben         Zitoun         147         2         7.390	6.4
KB-         36         Ras         El         Ain         268         2         15.010           KB-         37         Souk         El         Baiez         65         1         3.890           KB-         38         Ben         Zitoun         1et2         147         2         7.390	5.1
KB- 37         Souk El Baiez         65         1         3.890           KB- 38         Ben Zitoun let2         147         2         7.390	5.6
	6.0
	5.0
NAT AD DRUHTATURE C	6.9
KB-39         Bourzine         94         2         6.440           KB-40         Gueliada         103         1         6.960	6.8
KB- 41 Kelwamen 47 1 2.060	4.4
	5.5
KB- 42 Klibla 92 1 5.050 KB- 43 Sidi Hamed 100 1 7.890	7.9
KB- 44 Atilet 220 3 16.100	7.3
KB-         44 Atilet         220         3         16.100           KB-         45 Douz         280         3         14.830	5.3
KB- 46 El Ghoula (*) 75 1 4.710	6.3
(B-40 E1 00001a (*) 10 1 10001a (*) (KB-47 E1 Colaa (*) 65 1 2.350	3.6
$\frac{10^{-47} + 1001aa}{(B^{-48})} = \frac{1001aa}{(B^{-48})} = \frac{1001aa}$	6.3
KB- 49 El H' say 90 1 5.700	6,3
KB- 50 Nouiel 97 1 6.720	6.9

		Zaafrane	101	1	4.620	4.6		
		Bouhamza	80	1	6.200	7.8		
		Ksar Ghilane	100	1	5.200	5.2		
		Sakkouma (*)	80	1	4.110	5.1		
	KB- 55	Tarfaya (*)	77	1	4.620	6.0		
	KB- 56	Dhomrana	45	1	2.200	4.9		
	KB- 57	Smida	64	1	4.700	7.3		
	KB- 58	Ghidma	80	1	4.580	5.7		
	KB- 59	Sabria	60	1	3.000	5.0		
	KB- 60	El Faouar 1	87	1	6.840	7.9		·
:			80	1	6.650	8.3 8.6 6.6		
	KB- 62	Bechni	100	2	8.630	8.6	· .	
	KB- 63	Dargine (*)	72	1	4.730	6.6		
		Matrouha	100	1	4.000	4.0		
	KB- 65	Regim Maatoug 1	104	1	4.000	3.8		
	KB- 66	Regim Maatoug 2	96	1	6.000	6.3		
	KB- 67	Tarfayet Elma	52	1	2.050	3.9		
		Total/Average	7,213	86	438.116	6.1		
					*****			

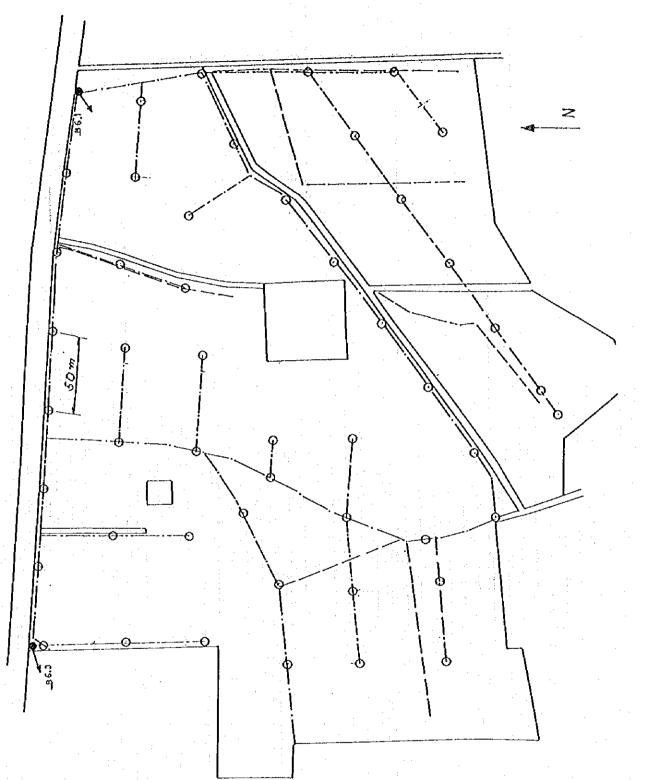
#### (4) Gabes Governorate

<u>[]</u>		Diamad	No of	Sample	Sample A./
Cord	Name of	Planned	No. of Sample		Planned A. (%)
No.	Oasis	Area(ha)	Sampre 2	8.840	6.3
	Ain Zrig	140		3.220	8.1
	Temoula 1	40	1		
	Temoula 2	20	1	1.080	5.4
	Zrig Dakhlania	30	1	2.230	7.4
	Teboulbou	520	4	36.090	6.9
GB- 6	Dasis de Gabes	734	6	49.600	6.8
	Limaoua 1 et 2	148	3	13.850	9.4
GB- 8	H' dou	40	1	4.070	10.2
GB- 9	Chott El Ferik	31	1	4.570	14.7
	Bouchanma	143	1 5	9.380	6.6
	Mahjoub	374	.5	24,390	6.5
GB- 12		99	1	8.250	8.3
GB- 13	Sboui	72	1	4.240	5.9
GB- 14	Faycal	260	3	14.950	5.8
GB- 15	M'ziraa Ghannouch	280	2	18.330	6.5
GB- 16	Methouia	268	3 2 3 3	14.080	5.3
		263		13.910	5.3 7.7
GB- 18	Aouinette	232	2	17.940	7.7
GB- 19	Chenchou 1	57	1	4.000	7.0
	Chenchou 2	40		3.970	9.9 5.3
	Tekouri	32	1	1.700	5.3
	Hamma Oasis	400	5	19.440	4.9
	Mziraa Hamma	80	2	6.660	8.3
	Bechima 1	280	2	15.420	5.5
	Bechima 2	290	l ï	16.050	5.5
	Khebayet	96	1	6.660	6.9
	Ben Ghilouf	180	2	10.330	5.7 7.7
	Glib Dokhane	70	1	5.420	7.7
	Oued Nekhla	30	Ī	2.420	8.1
	Arran	163	i i i i i i i i i i i i i i i i i i i	11.210	6.9
	Mareth 1	100	2	5.920	5.9
	Mareth 2	180	2	9.290	5.2
	Mareth 3	30	I I	2.250	7.5
	Mareth 5	115	1	6.620	5.8
	Mareth 6	88	1	5.000	5.7
	Zarat 2	174		6.040	3.5
				6.480	5.6
	Zerkine 1 et 3	116		6.240	4.0
	Zerkine 2	30		2.490	
	Ayoune Zerkine	58		3.380	
68- 40	Madssia(*)				7,1
<u>18-41</u>	Kettana 1	98	   1   2	7.000	
UB- 42	Kettana 3	140		8.420	
	Kettana 4	125	<u> </u> 1	6.610	
	Sidi Sellam	120	.  <b>]</b> .	6.870	
	Zrig Barrania	71		4.760	
	Ghandri	30	1	3.300	
	Laaradh 1	35		2.320	6.6
<u>GB- 48</u>	Laaradh 3	55		2.380	
	Total/Average	7,133	81	447.670	6.3

### (1) IMPROVEMENT PLAN OF IRRIGATION AND DRAINAGE FACILITIES IN GAFSA GOVERNORATE

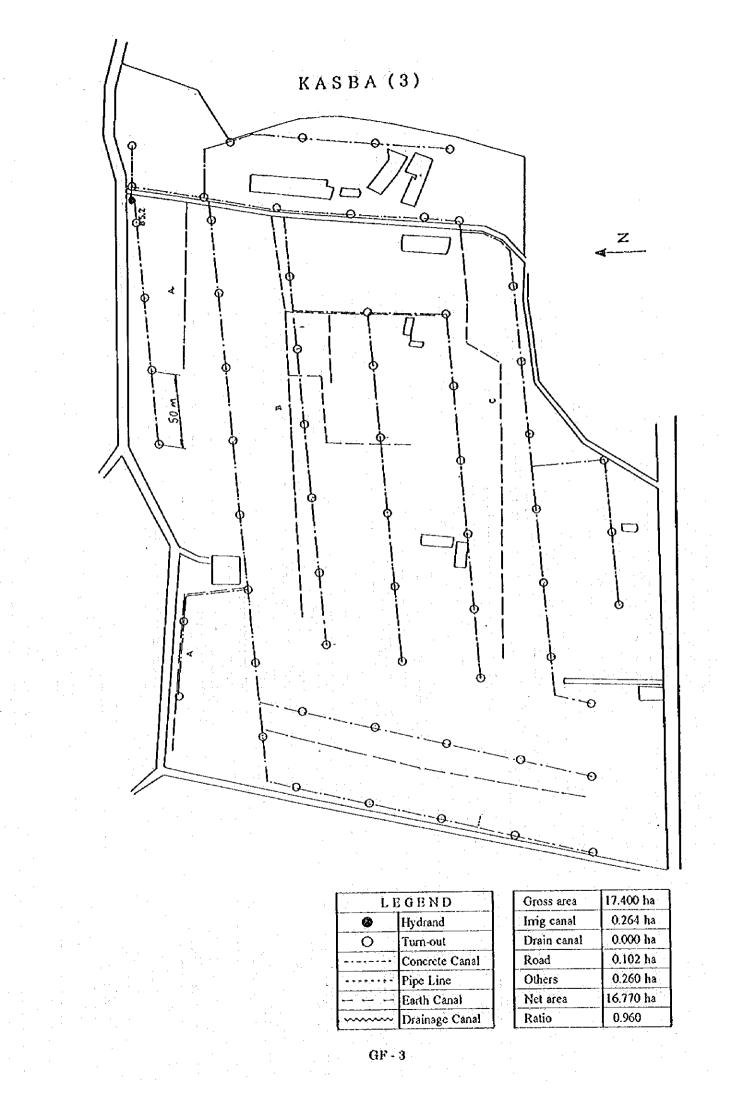


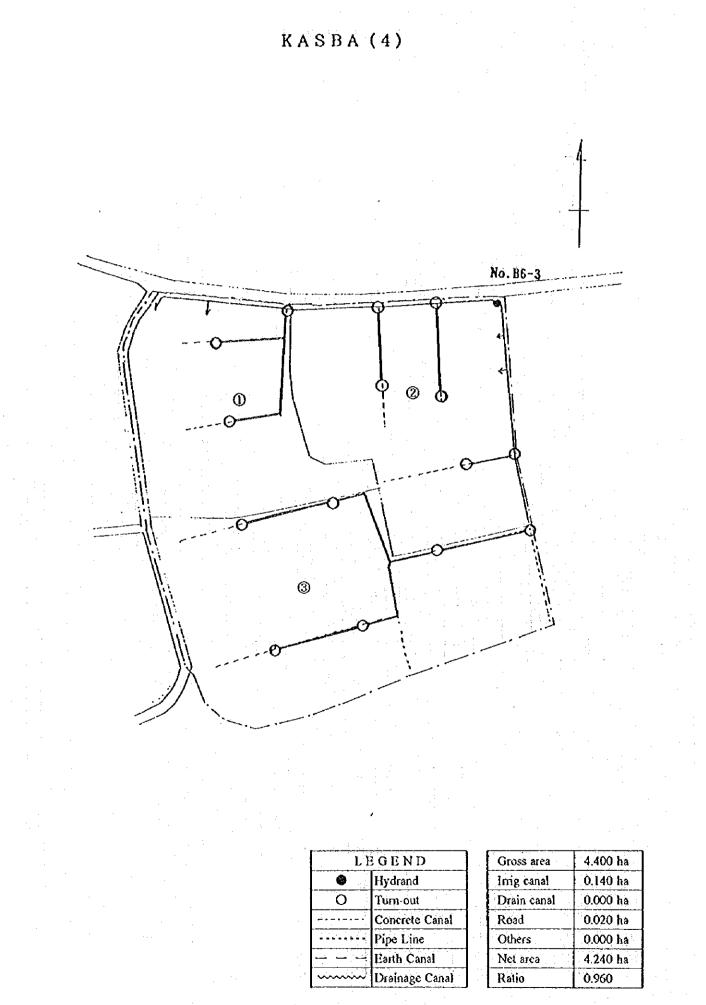
KASBA (2)



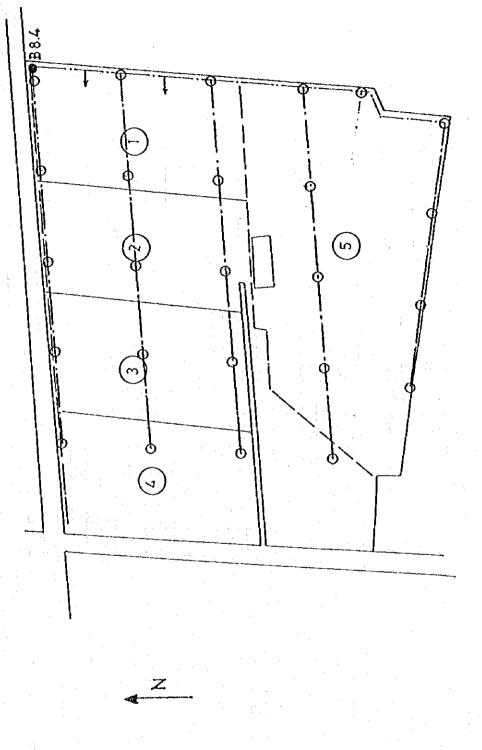
LI	BOEND	Gross area	15.160 ha
. 😸 👘	Hydrand	Inig canal	0.262 ha
0	Turn-out	Drain canal	0.000 ha
	Concrete Canal	Road	0.476 ha
	Pipe Line	Others	0.272 ha
میں <u>میں</u> میں	Earth Canal	Net area	14.149 ha
	Drainage Canal	Ratio	0.930

GF · 2





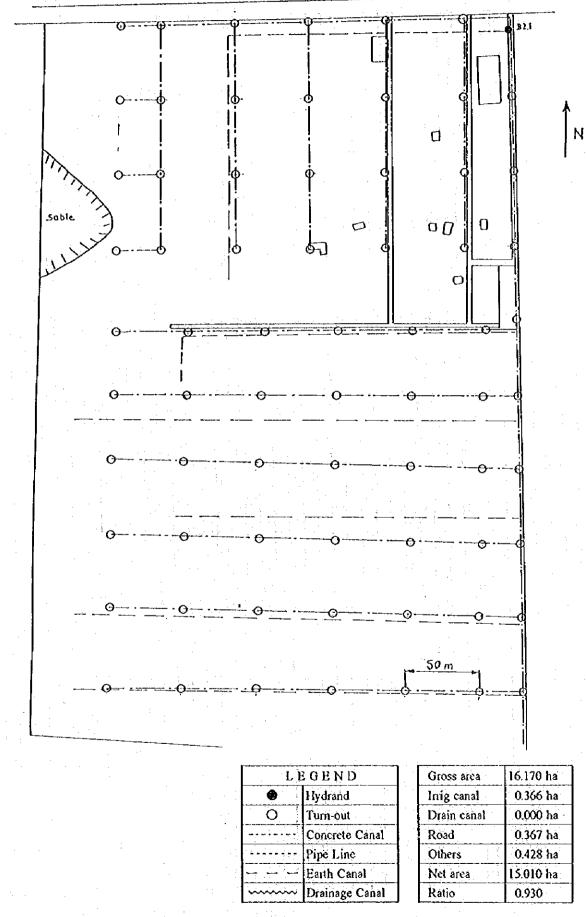
GF - 4



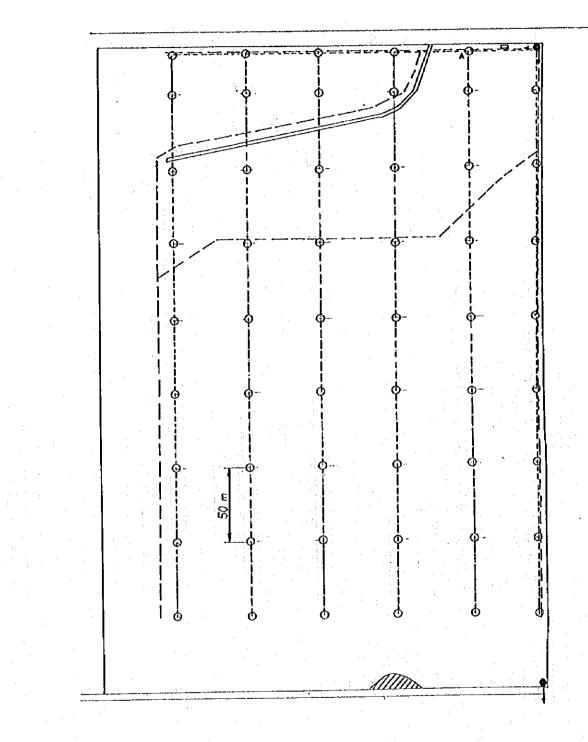
LÌ	EGEND	
	Hydrand	
O.	Tum-out	
	Concrete Canal	1
•••••	Pipe Line	
	Earth Canal	,
	Drainage Canal	-

1	
Gross area	5.640 ha
Inig canal	0.137 ha
Drain canal	0.000 ha
Road	0.225 ha
Others	0.300 ha
Net area	5.248 ha
Ratio	0.930
Net area	5.248 h

SUD-OUEST (2)



SUD-OUEST (3)

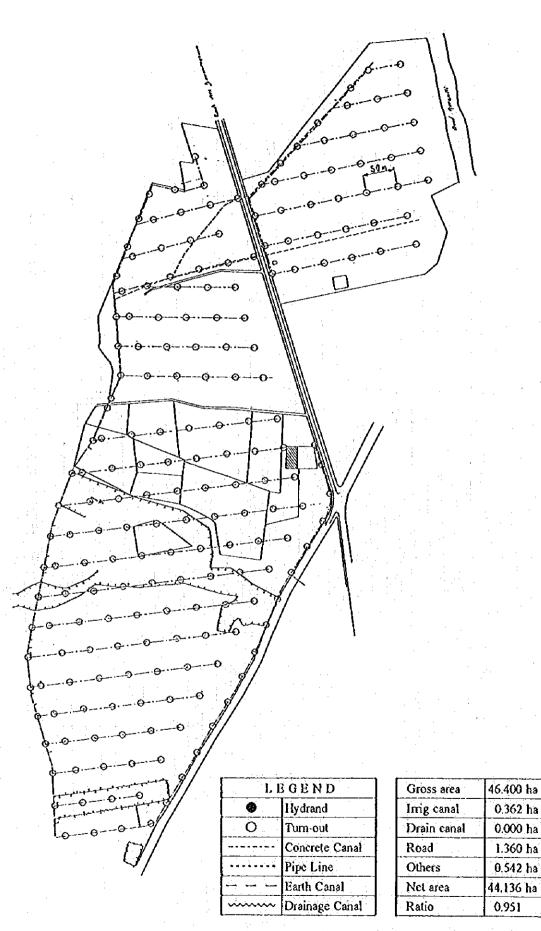


1	LE	GEND
2		Hydrand
	0	Tum-out
		Concrete Canal
		Pipe Line
		Earth Canal
:	·······	Drainage Canal

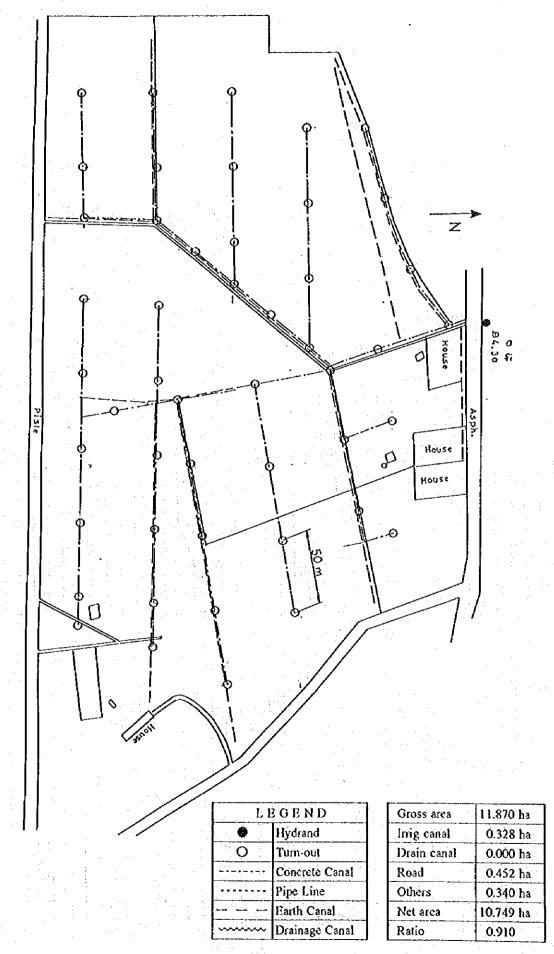
Gross area	19.940 ha
Irrig canal	0.213 ha
Drain canal	0.000 ha
Road	0.296 ha
Others	0.036 ha
Net area	14.395 ha
Ratio	0.960

 $GF \cdot 7$ 

EL GUETTAR



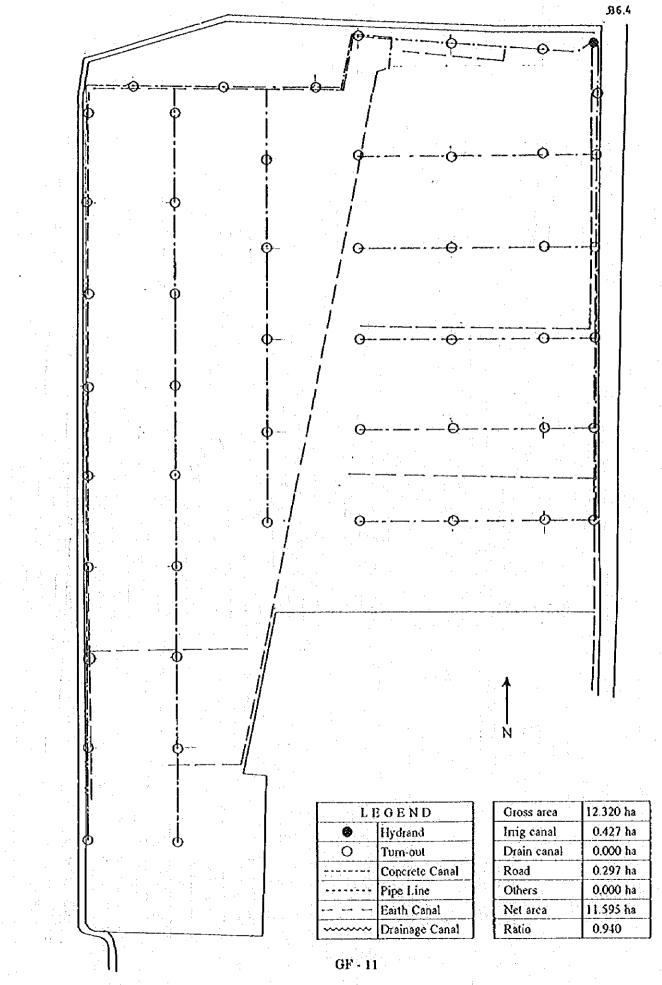
LALLA (1)

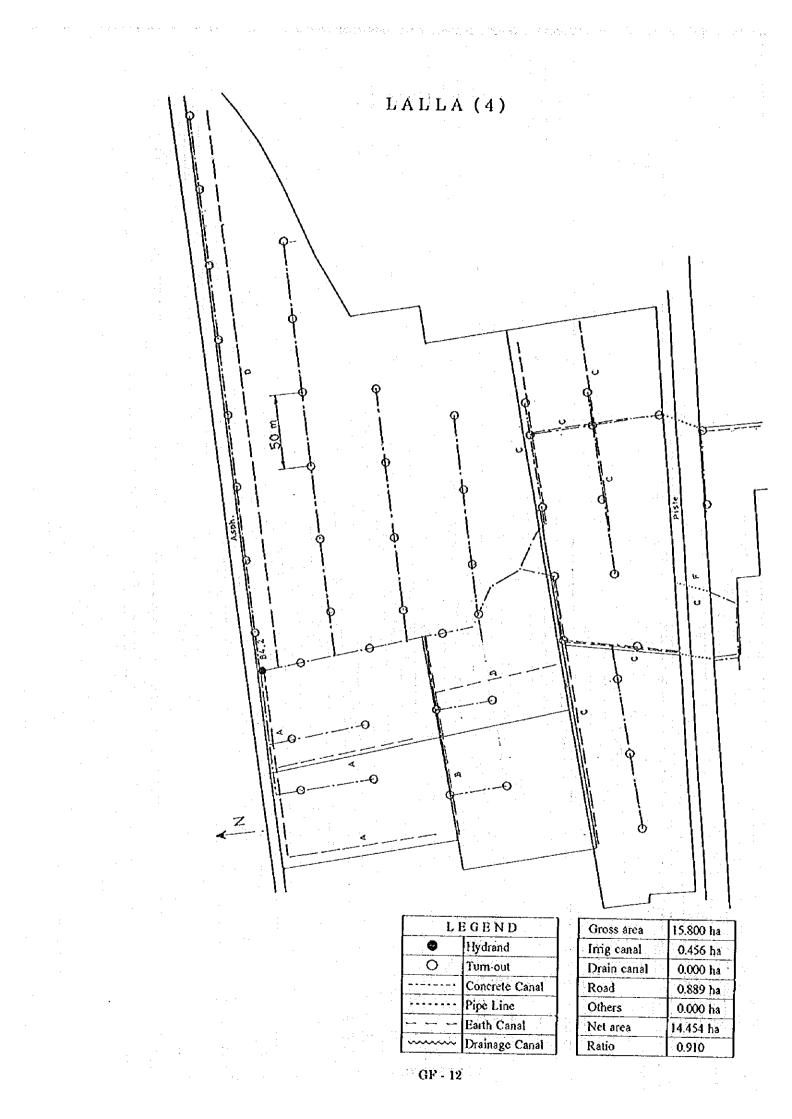


GF 9

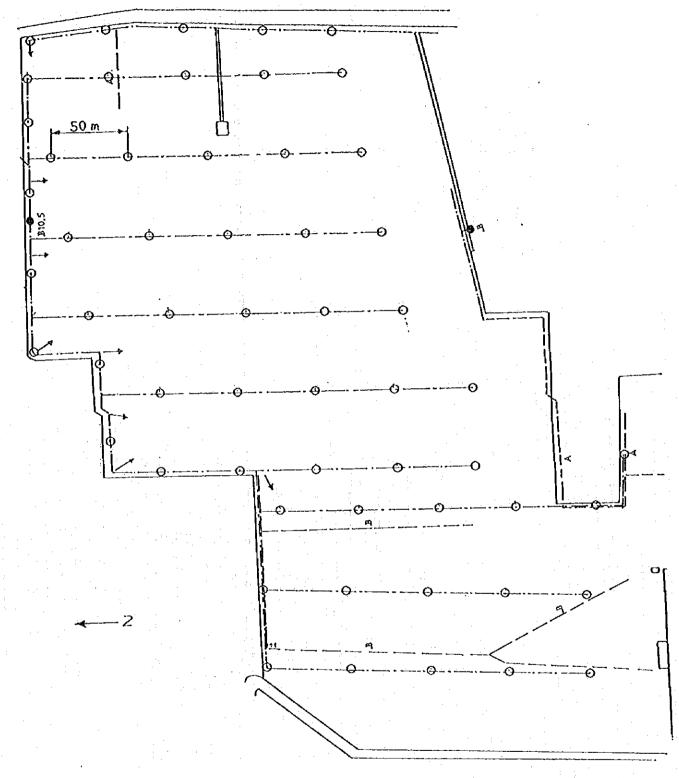
LALLA (2)	
STIOH D D	
p p f smout	
to produce of the second secon	
(i) [sund]	
L E G E N DGross area6.036 hImig canal0.122 hOTurn-outDrain canal0.000 hConcrete CanalRoad0.066 h	a a
GF - 10	a

LALLA (3)





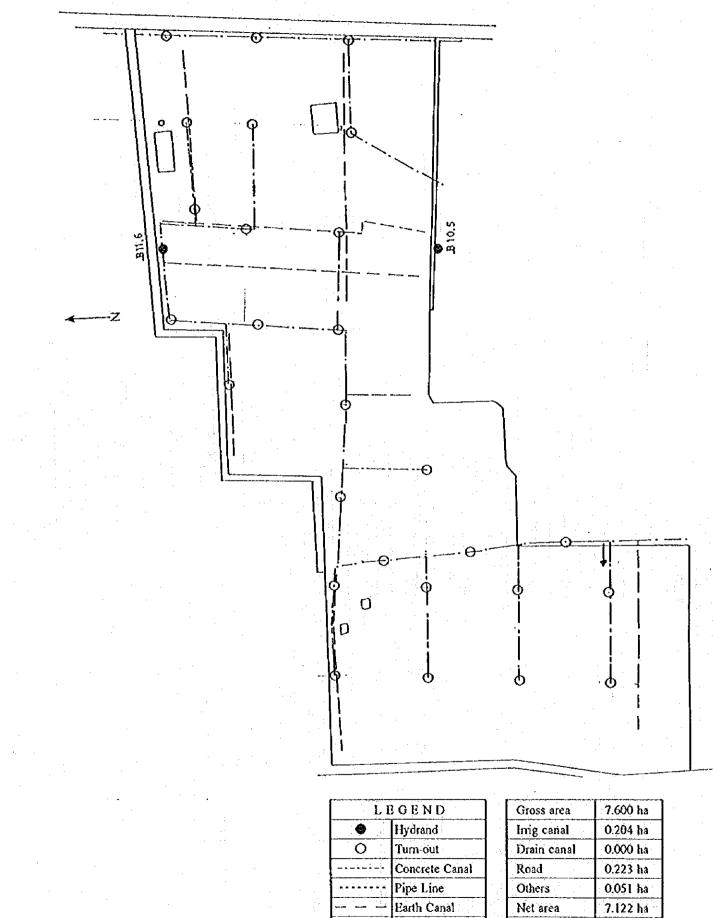
EL KSAR (2)



LEGEND		
6	Hydrand	
0	Turn-out	
	Concrete Canal	
·	Pipe Line	
	Earth Canal	
·····	Drainage Canal	

Gross area	13,300 ha
Inig canal	0.241 ha
Drain canal	0.000 ha
Road	0.214 ha
Others	0.027 ha
Net area	12.719 ha
Ratio	0.950

EL KSAR (1)



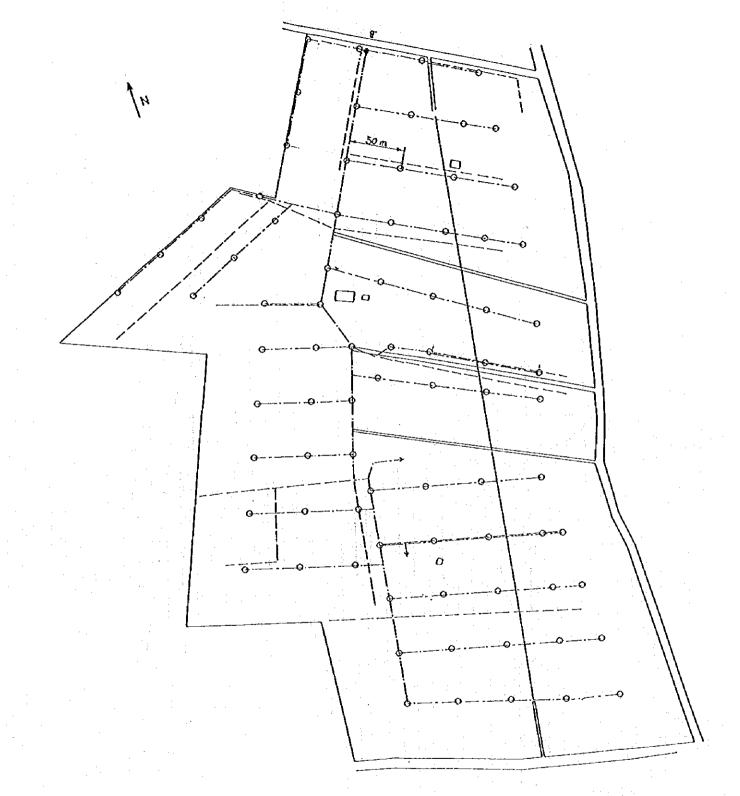
GF - 14

Drainage Canal

Ratio

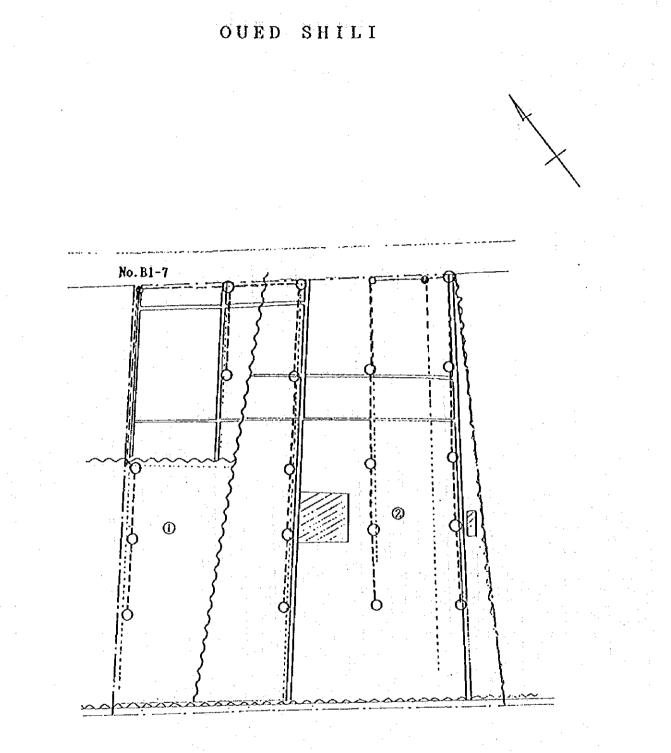
0.940

EL KSAR (3)



	LEGEND	
	•	Hydrand
	0	Tum-out
:		Concrete Canal
		Pipe Line
	• •	Earth Canal
	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Drainage Canal

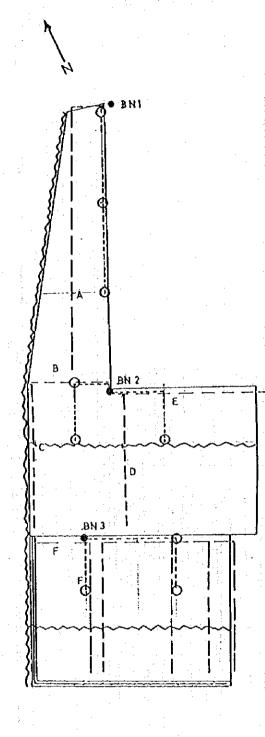
Gross area	23.720 ha
Inig canal	0.386 ha
Drain canal	0.000 ha
Road	0.517 ha
Others	0.020 ha
Net area	22.800 ha
Ratio	0.960



LEGEND	
•	Hydrand
0	Tum-out
	Concrete Canal
	Pipe Line
+	Earth Canal
·····	Drainage Canal

Gross area	4.620 ha
Inig canal	0.150 ha
Drain canal	0.190 ha
Road	0.340 ha
Others	0.090 ha
Net area	3.850 ha
Ratio	0.830

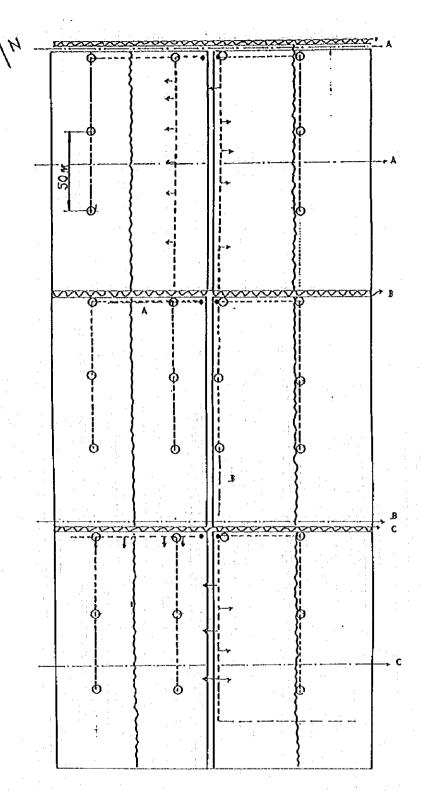
GF - 16



	LEGEND	
	<b>Ø</b>	Hydrand
•	0	Tum-out
1		Concrete Canal
	******	Pipe Line
		Earth Canal
4 <sup>1</sup>	·····	Drainage Canal

2.560 ha
0.169 ha
0.000 ha
0.000 ha
0.000 ha
2.391 ha
0.930

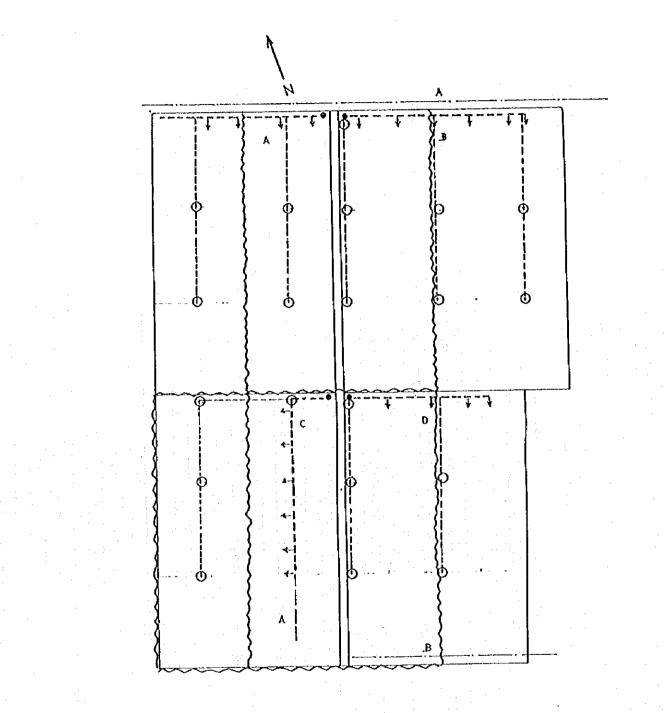
# SEGDOUD (1)



I	EGEND	Gros
٩	Hydrand	Inig
0	Turn-out	Drain
	Concrete Canal	Road
• - • • • • •	· Pipe Line	Othe
•	- Earth Canal	Net
	<ul> <li>Drainage Canal</li> </ul>	Ratic

Gross area	9.000 ha
Inig canal	0.053 ha
Drain canal	0.250 ha
Road	0.140 ha
Others	0.000 ha
Net area	8.557 ha
Ratio	0.950

SEGDOUD (2)

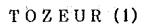


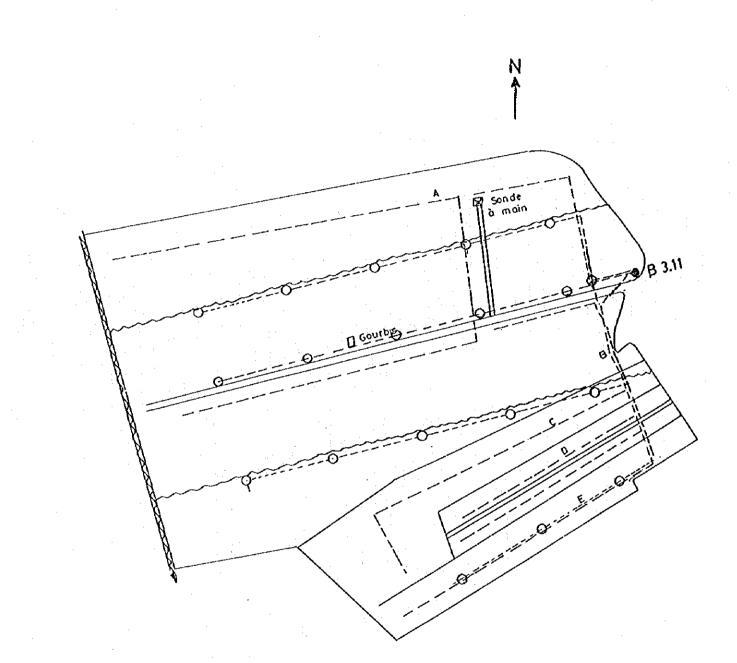
LI	GEND	$\left  \right $	Gr
•	Hydrand		Ini
O i	Turn-out		Dr
	Concrete Canal		Ro
	Pipe Line	1	Ōt
• • •	Earth Canal		Ne
	Drainage Canal		Ra

Gross area	6.360 ha
Inig canal	0.029 ha
Drain canal	0.000 ha
Road	0.120 ha
Others	0.000 ha
Net area	6.210 ha
Ratio	0.980

GF 19

### (2) IMPROVEMENT PLAN OF IRRIGATION AND DRAINAGE FACILITIES IN TOZEUR GOVERNORATE

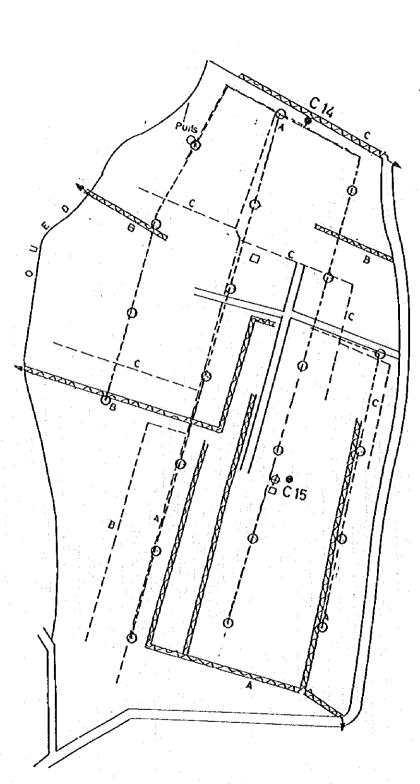




LI	LEGEND	
•	Hydrand	
0	Turn-out	
	Concrete Canal	
	Pipe Line	
	Earth Canal	
	Drainage Canal	

Gross area	6.000 ha
Irrig canal	0.237 ha
Drain canal	0.035 ha
Road	0.112 ha
Others	0.159 ha
Net area	5.457 ha
Ratio	0.910

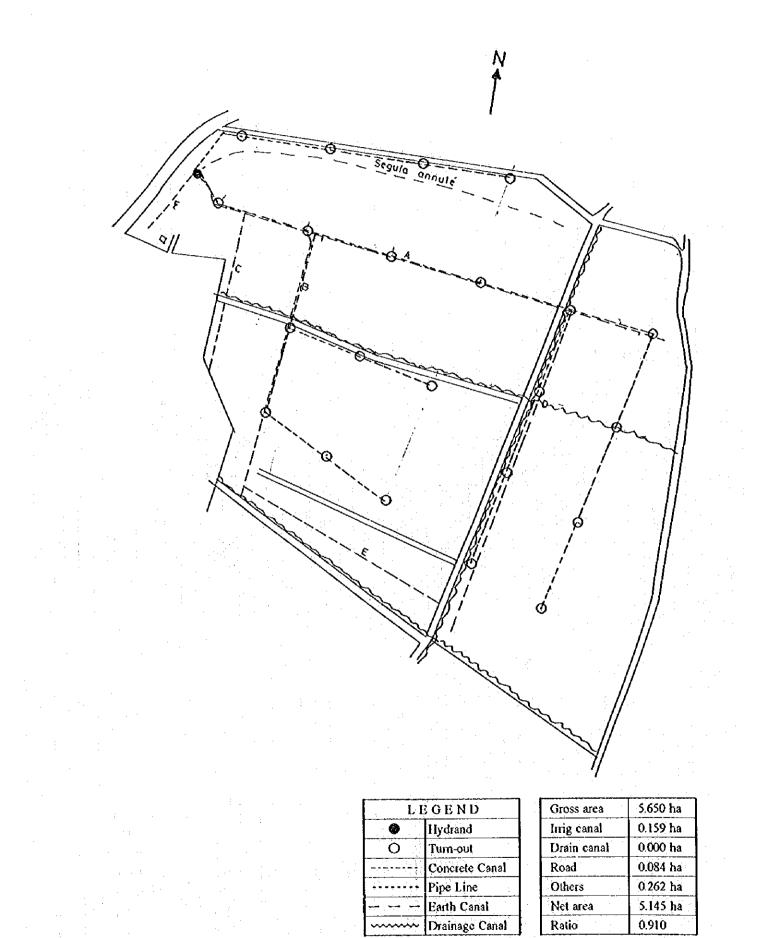
TOZEUR (2)



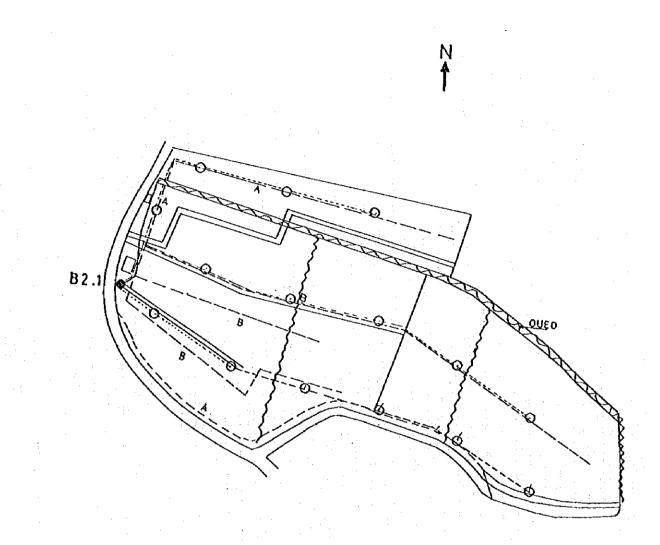
LI	LEGEND	
	Hydrand	
0	Turn-out	
	Concrete Canal	
	Pipe Line	
	Earth Canal	
	Drainage Canal	

6.570 ha
0.154 ha
0.322 ha
0.173 ha
0.073 ha
5.847 ha
0.890

TOZEUR (3)

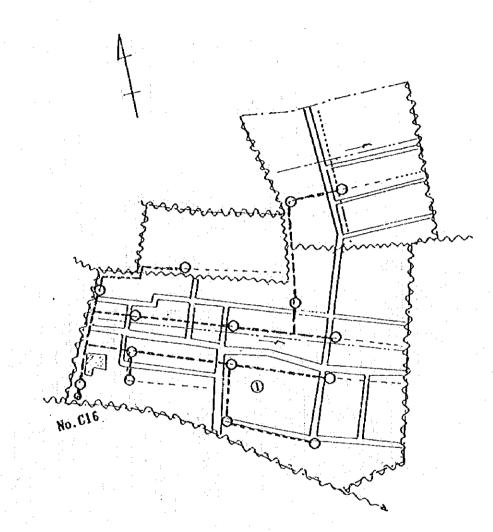






LEGEND		]
<b>9</b>	Hydrand	1
0	Turn-out	1
	Concrete Canal	1.
	Pipe Line	
• • • •	Earth Canal	
inin	Drainage Canal	

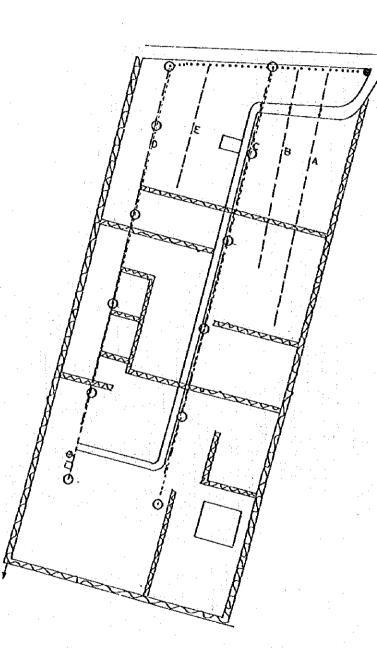
3.410 ha	
0.131 ha	
0.000 ha	
0.000 ha	
0.098 ha	
3.261 ha	
0.930	



	LEGEND	
		Hydrand
	0	Turn-out
		Concrete Canal
•		Pipe Line
		Earth Canal
	······	Drainage Canal

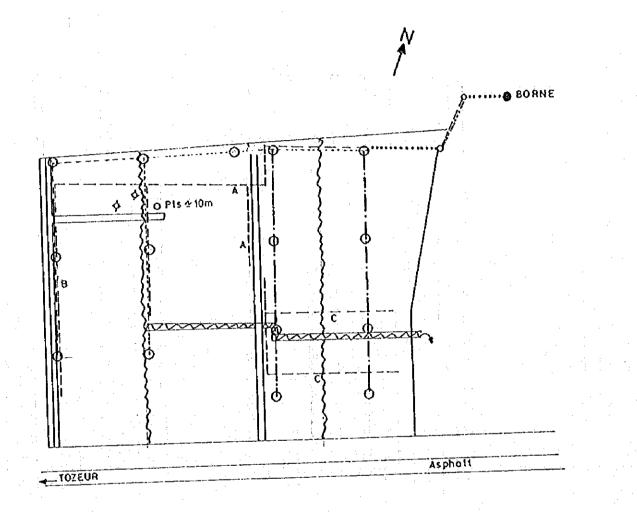
2.760 ha
0.110 ha
0.070 ha
0.140 ha
0.010 ha
2.430 ha
0.880

# KASTILIA



LEGEND	
	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
•• •• ••	Earth Canal
inini	Drainage Canal

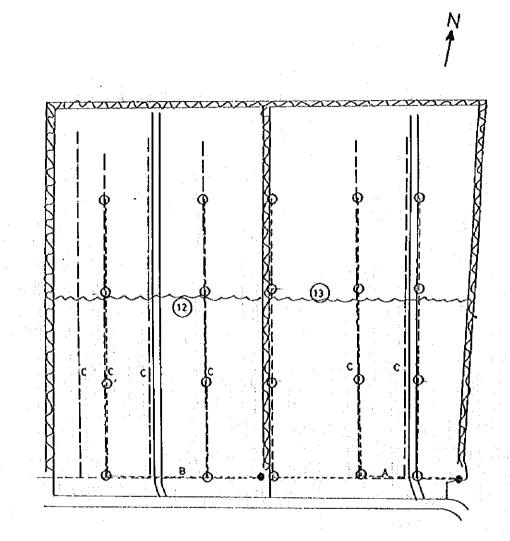
Gross area	3.200 ha
Inig canal	0.117 ha
Drain canal	0.283 ha
Road	0.023 ha
Others	0.149 ha
Net area	2.628 ha
Ratio	0.820



LI	LEGEND	
9	Hydrand	
0	Turn-out	
	Concrete Canal	
	Pipe Line	
میں جینے میں میں	Earth Canal	
······	Drainage Canal	

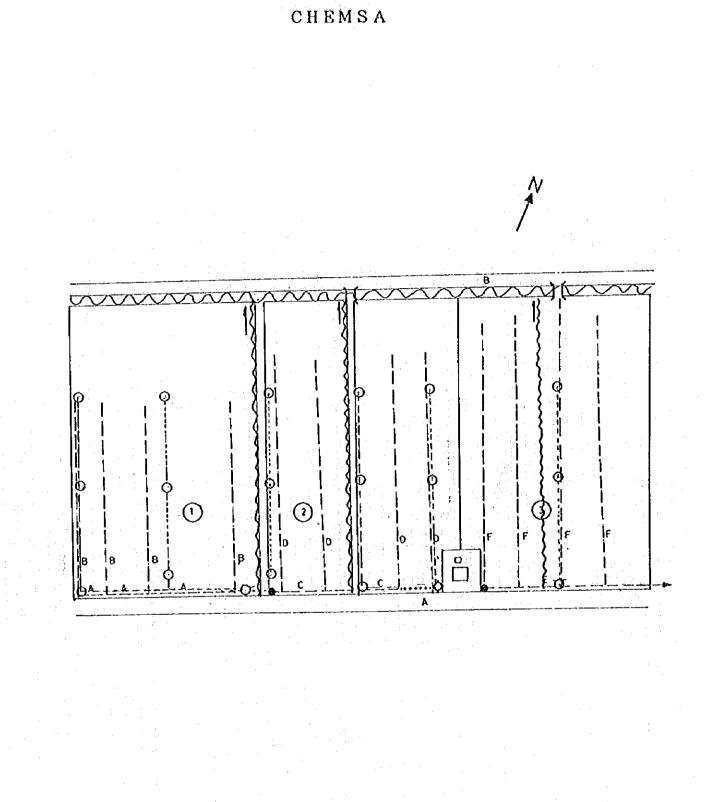
Gross area	4.000 ha
Irrig canal	0.106 ha
Drain canal	0.060 ha
Road	0.130 ha
Others	0.108 ha
Net area	3.596 ha
Ratio	0.900

NEFLAYETTE



LI	LEGEND	
	Hydrand	
0	Turn-out	
	Concrete Canal	
•••••	Pipe Line	
• • •	Earth Canal	
	Drainage Canal	

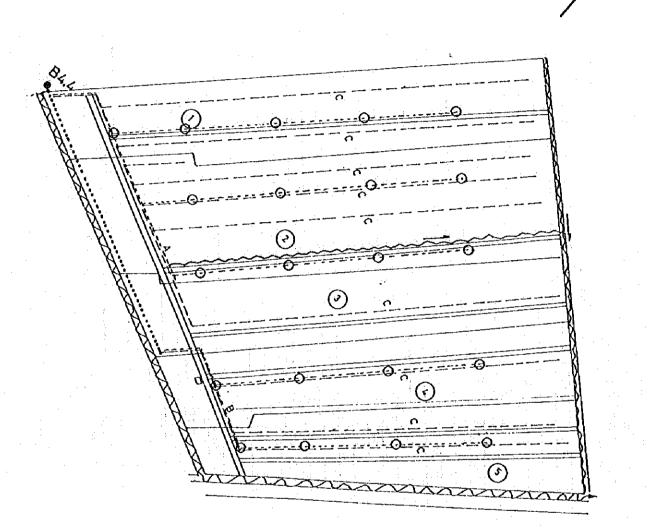
Gross area	5.400 ha
Irrig canal	0.180 ha
Drain canal	0.255 ha
Road	0.042 ha
Others	0.012 ha
Net area	4.803 ha
Ratio	0.890



	LEGEND	
	•	Hydrand
	0	Turn-out
-	• •	Concrete Canal
-		Pipe Line
-		Earth Canal
	m	Drainage Canal

Gross area	5.920 ha
Inig canal	0.239 ha
Drain canal	0.160 ha
Road	0.270 ha
Others	0.000 ha
Net area	5.252 ha
Ratio	0.890

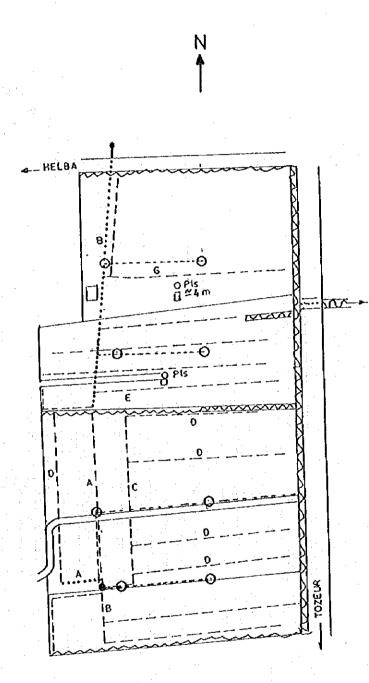
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	LE	LEGEND	
	•	Hydrand	
•	0	Turn-out	
		Concrete Canal	
		Pipe Line	
	فن مر م	Earth Canal	
	www.	Drainage Canal	

Gross area	4.950 ha
Irrig canal	0.361 ha
Drain canal	0.045 ha
Road	0.075 ha
Others	0.438 ha
Net area	4.031 ha
Ratio	0.810

TZ - 10

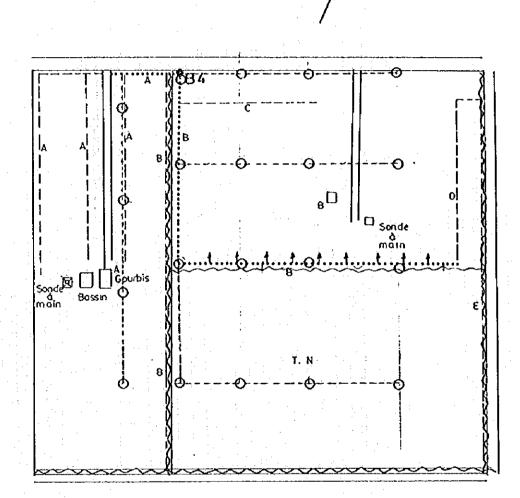


	LEGEND		
	Hydrand		
	O Tum-out		
-		Concrete Canal	
•		Pipe Line	
	Earth Canal		
. 🗸	www	Drainage Canal	

1	
Gross area	4.095 ha
Inig canal	0.242 ha
Drain canal	0.066 ha
Road	1E-04 ha
Others	0.074 ha
Net area	3.713 ha
Ratio	0.910

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LEGEN			000 ha
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• Hydran	ut Drai		.000 ha
O Turn-ou	the second secon		
O Turn-ou Concret	te Canal Road		389 ha
O Turn-ou Concret Pipe Lit	te Canal Road	rs O	100 ha
O Turn-ou Concret Pipe Lit Earth C	te Canal Road inc Othe Canal Net	rs 0 urea 7	.100 ha .246 ha
O Turn-ou Concret Pipe Lit Earth C	te Canal Road	rs 0 urea 7	100 ha

JHIM 2

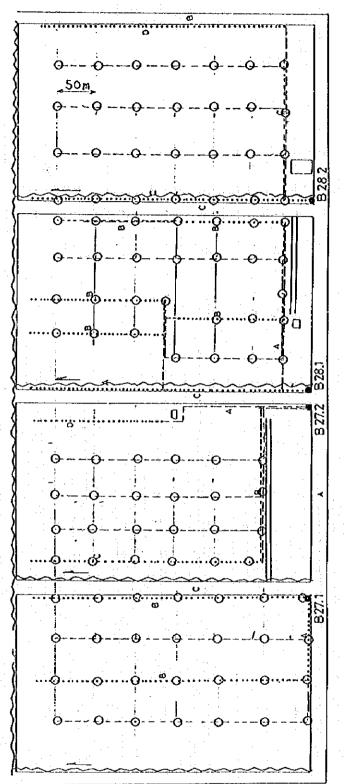


	LEGEND		
	Hydrand		
Γ	O Turn-out		
	Concrete Canal		
	····· Pipe Line		
-		- Earth Canal	
1	iiiiiii	Drainage Canal	

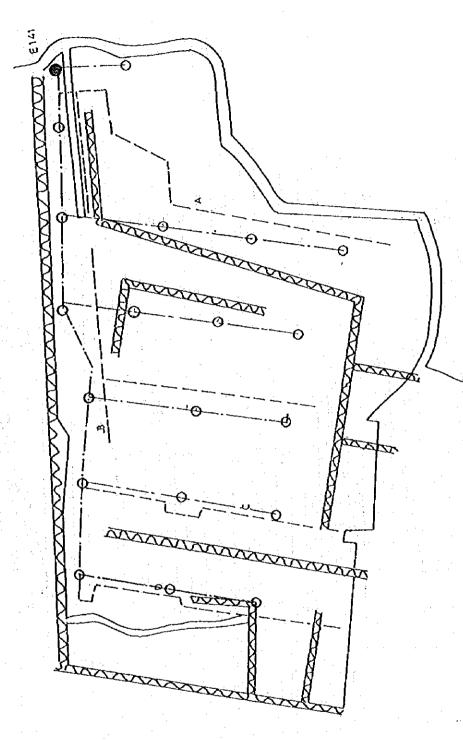
Gross area	6.000 ha
Irrig canal	0.171 ha
Drain canal	0.000 ha
Road	0.204 ha
Others	0.066 ha
Net area	5.559 ha
Ratio	0.930

IBN CHABBAT 3

≥.



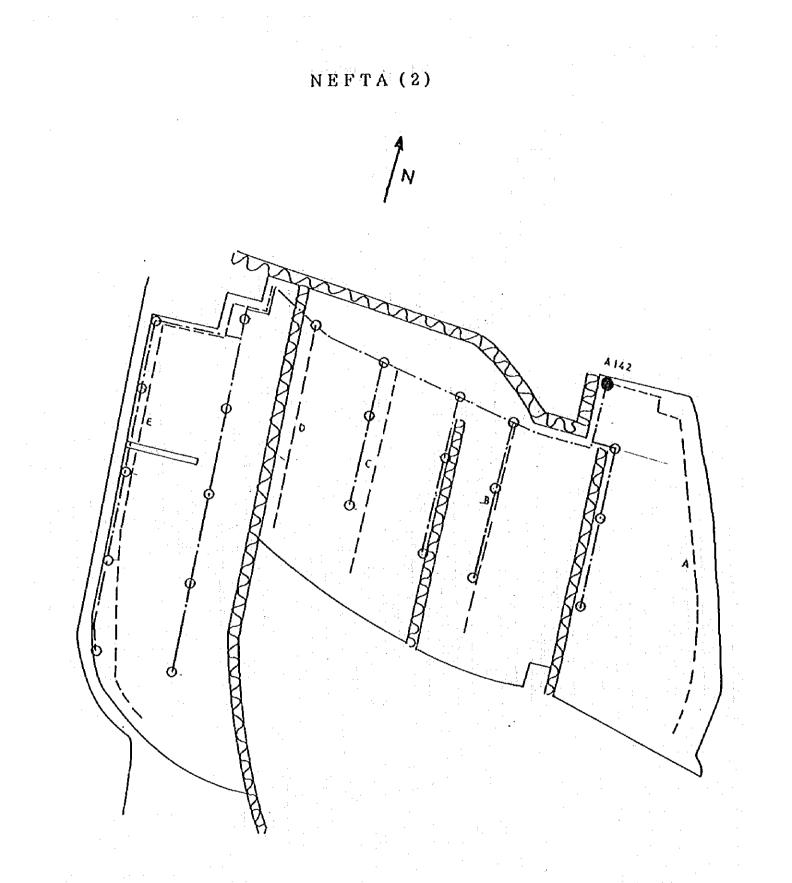
L	EGEND	Gross area	9.600 ha
	Hydrand	Irrig canal	0.167 ha
0	Turn-out	Drain canal	0.000 ha
	Concrete Canal	Road	0.508 ha
	Pipe Line	Others	0.064 ha
	Earth Canal	Net area	8.862 ha
min	Drainage Canal	Ratio	0.920



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LEGEND		
	Hydrand	
O Tum-out		
	Concrete Canal	
Pipe Line		
	Earth Canal	
Drainage Cana		

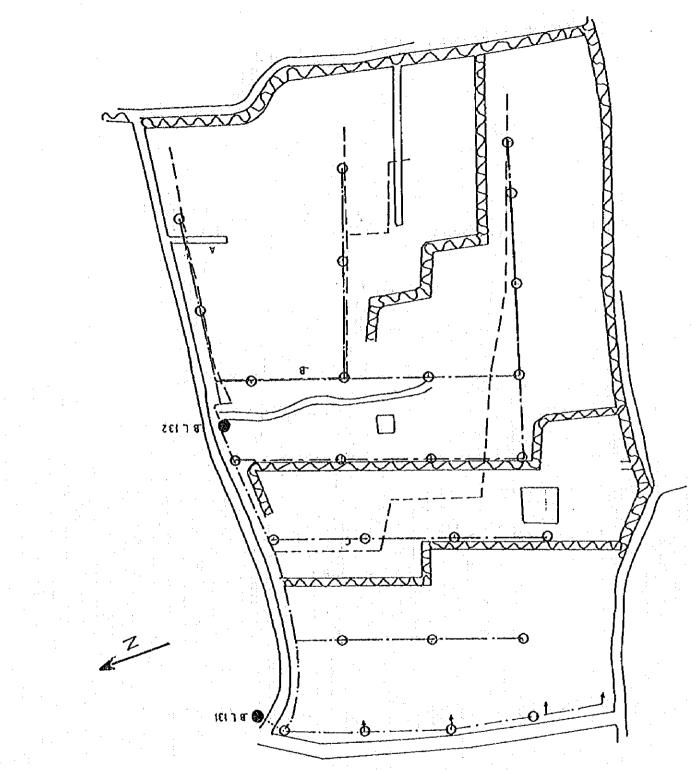
5.752 ha
0.163 ha
0.354 ha
0.195 ha
0.000 ha
5.040 ha
0.880



LEGEND	
Hydrand	
0	Turn-out
	Concrete Canal
····· Pipe Line	
	Earth Canal
····· Drainage Can	

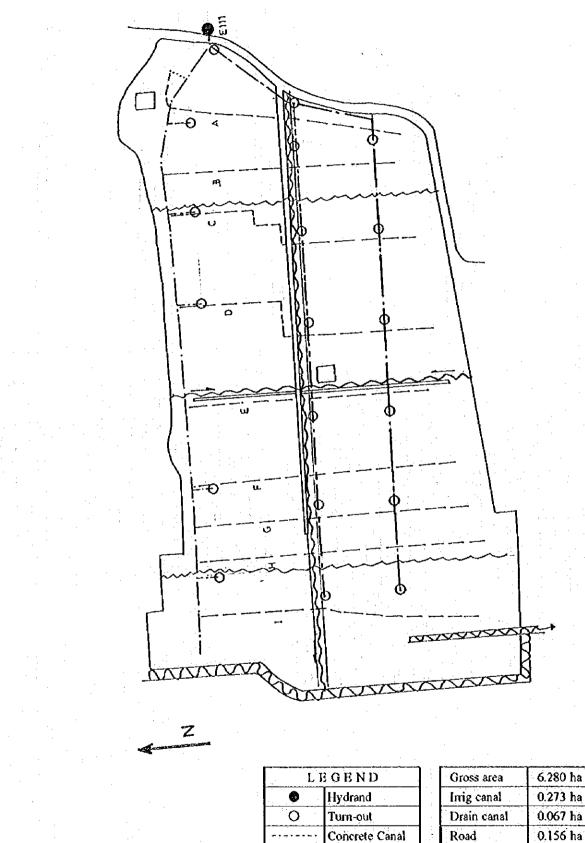
· · · · · · · · · · · · · · · · · · ·	
Gross area	5.972 ha
Inig canal	0.191 ha
Drain canal	0.321 ha
Road	0.075 ha
Others	0.000 ha
Net area	5.385 ha
Ratio	0.900

NEFTA (3)



LI	EGEND	Gross area	8.384 ha
•	Hydrand	Irrig canal	0.191 ha
0	Turn-out	Drain canal	0.380 ha
	Concrete Canal	Road	0.302 ha
	Pipe Line	Others	0.050 ha
	Earth Canal	Net area	7.462 ha
m	Drainage Canal	Ratio	0.890

NEFTA (4)

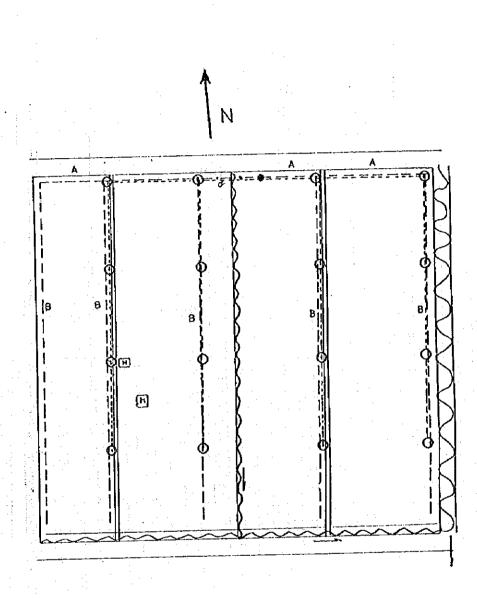


Irrig canal	0.273 ha
Drain canal	0.067 há
Road	0.156 ha
Others	0.018 ha
Net area	5.766 ha
Ratio	0.920

mi

Pipe Line Earth Canal

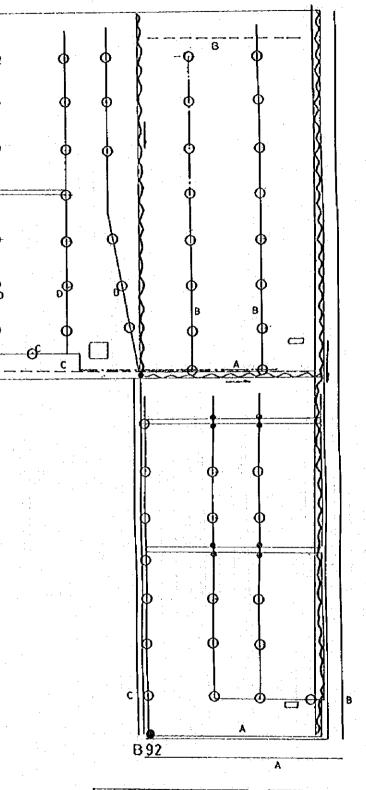
Drainage Canal



LI	EGEND	] [	Gross area	4.725 ha
•	Hydrand		Irrig canal	0.142 ha
0	Turn-out	1	Drain canal	0.045 ha
	Concrete Canal		Road	0.320 ha
	Pipe Line	1.	Others	0.006 ha
	Earth Canal		Net area	4.212 ha
·····	Drainage Canal		Ratio	0.890
		1		1



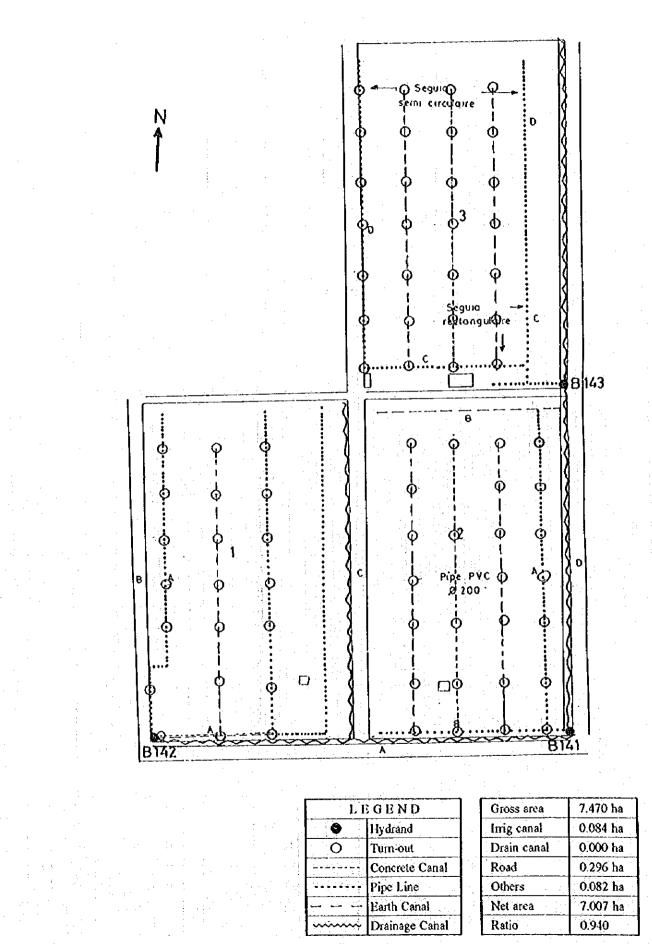


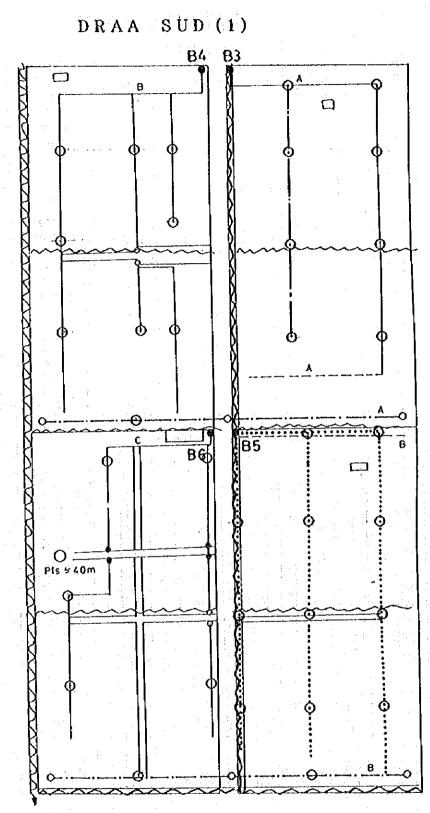


B

LI	EGEND
	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
	Earth Canal
·····	Drainage Canal

Gross area	6.810 ha
Img canal	0.120 ha
Drain canal	0.000 ha
Road	0.335 ha
Others	0.096 ha
Net area	6.259 ha
Ratio	0.920



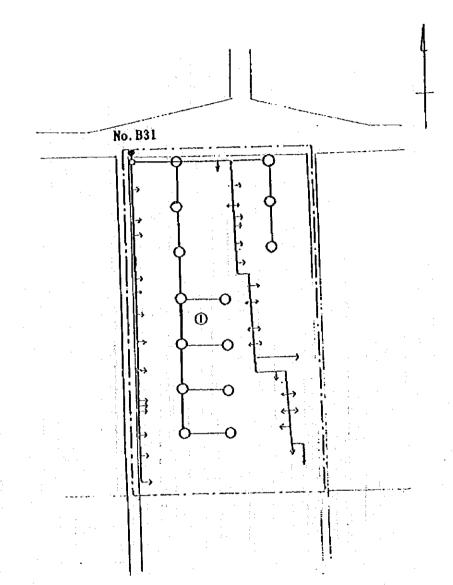


LI	EGEND		
•	Hydrand		
0	Tum-out		
	Concrete Canal		
	Pipe Line		
	Earth Canal	1	
بتسمعه	Drainage Canal		

Gross area	8.800 ha
Irrig canal	0.091 ha
Drain canal	0.140 ha
Road	0.400 ha
Others	0 193 ha
Net area	7.976 ha
Ratio	0.910

.

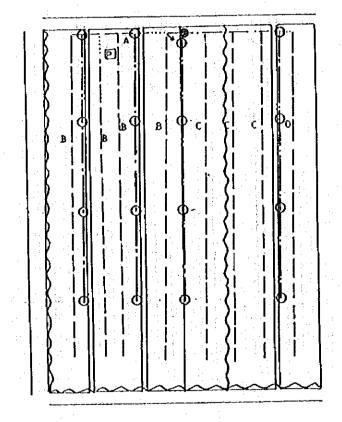
N



LI	EGEND	Gros
	Hydrand	Img
0	Turn-out	Drai
	Concrete Canal	Roa
	Pipe Line	Othe
	Earth Canal	Net
	Drainage Canal	Rati

Gross area	2.000 ha
Irrig canal	0.050 ha
Drain canal	0.000 ha
Road	0.120 ha
Others	0.000 ha
Net area	1.830 ha
Ratio	0.920

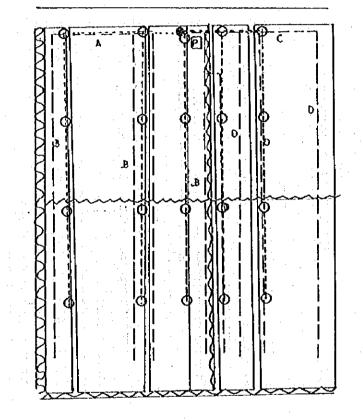




LEGEN	D Gross are
l Hydrand	Irrig cana
O Turn-ou	
Concrete	canal Road
Pipe Lin	e Others
Earth Ca	anal Net area
····· Drainage	e Canal Ratio

Gross area	3.180 ha
Inig canal	0.309 ha
Drain canal	0.000 ha
Road	0.345 ha
Others	0.002 ha
Net area	2.524 ha
Ratio	0.790





ſ	LE	OEND
		Hydrand
	O ·	Turn-out
		Concrete Canal
		Pipe Line
1	أمنوا سبوا إستو	Earth Canal
ľ	minin	Drainage Canal

· · · · · · · · · · · · · · · · · · ·
3.465 ha
0.366 ha
0.050 ha
0.320 ha
0.005 ha
2.724 ha
0.790

TZ - 25

## HAZOUA 2 (1)

c

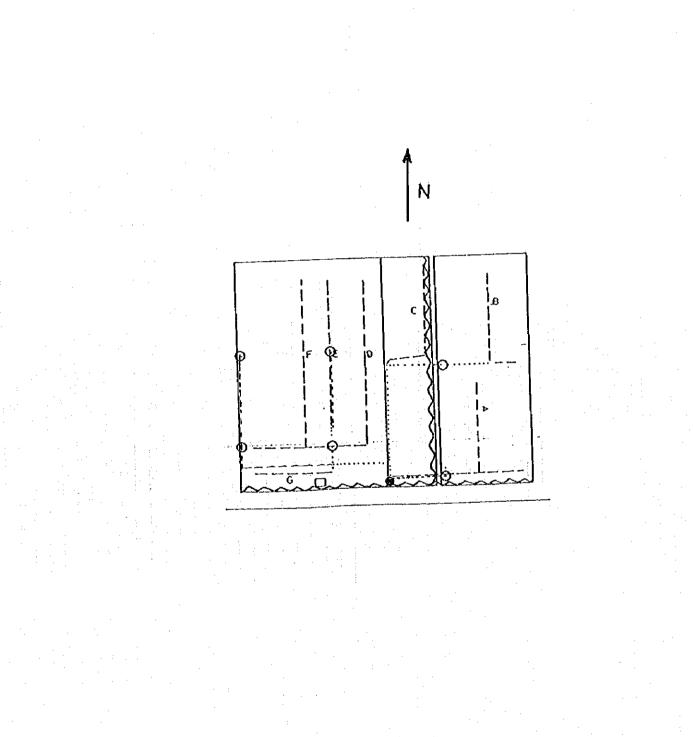
LEGEND	
	Hydrand
Ö	Tum-out
	- Concrete Canal
• • • • • • •	Pipe Line
	- Earth Canal
······	Drainage Canal

Gross area	1.950 ha
Irrig canal	0.219 ha
Drain canal	0.000 ha
Road	0.013 ha
Others	0.000 ha
Net area	1.719 ha
Ratio	0.880

Ν

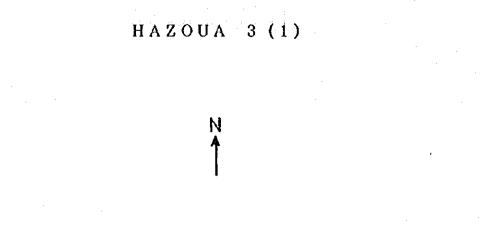
ŕ	ΓZ	-	26
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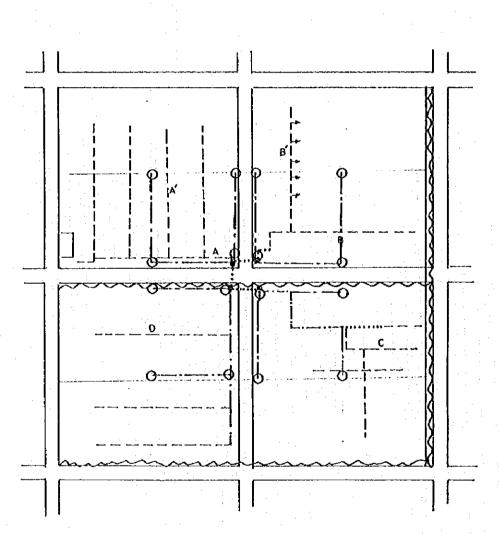
## HAZOUA 2(2)



	LEGEND	
	۲	Hydrand
	0	Tum-out
Ì		Concrete Canal
I	•••••	Pipe Line
Ì		Earth Canal
	ining	Drainage Canal

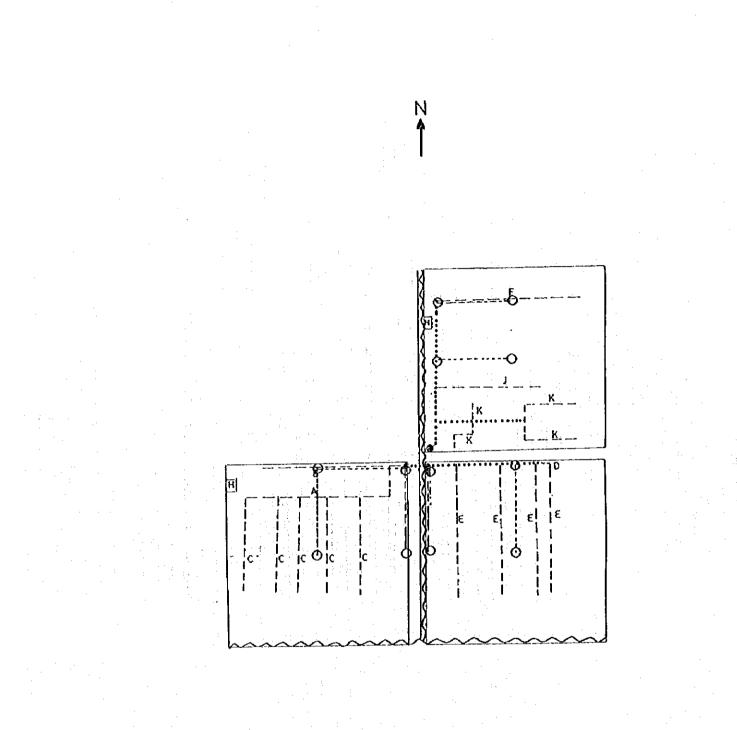
Gross area	2.080 ha
Inig canal	0.149 ha
Drain canal	0.000 ha
Road	0.048 ha
Others	0.000 ha
Net area	1.883 ha
Ratio	0.910





LI	GEND
•	Hydrand
0	Turn-out
	Concrete Canal
•••••	Pipe Line
	Earth Canal
minint	Drainage Canal

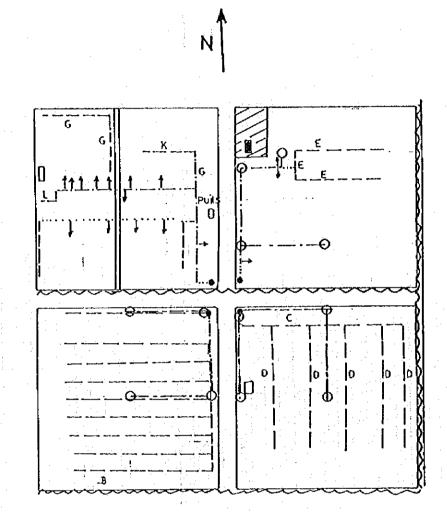
Gross area	4.666 ha
Inig canal	0.189 ha
Drain canal	0.000 ha
Road	0.126 ha
Others	0.011 ha
Net area	4.340 ha
Ratio	0.930



LEGEND	
<b>9</b>	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
;	Earth Canal
······	Drainage Canal

Gross area	4.160 ha
Irrig canal	0.205 ha
Drain canal	0.000 ha
Road	0.160 ha
Others	0.006 ha
Net area	3.790 ha
Ratio	0.910

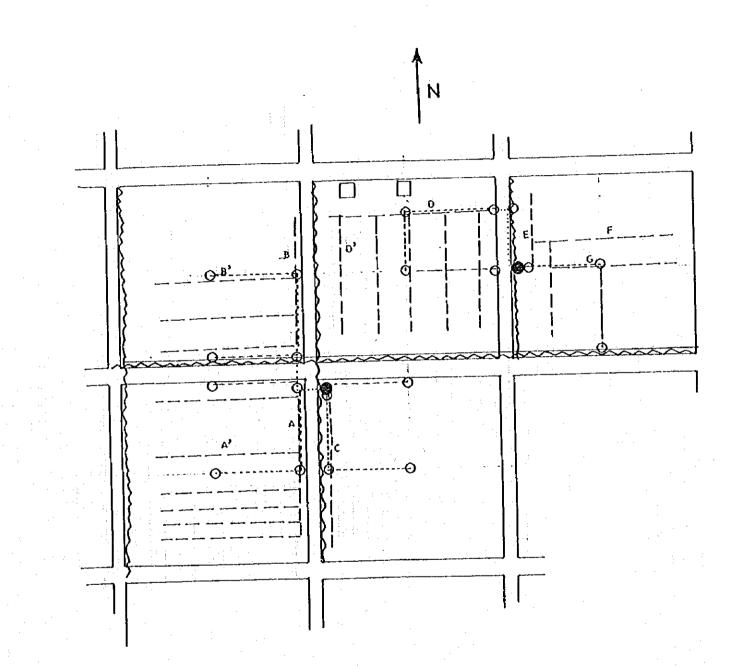
HAZOUA 3 (3)



LEGEND	
0	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
	· Earth Canal
······	Drainage Canal

Gross area	4.410 ha
Irrig canal	0.236 ha
Drain canal	0.000 ha
Road	0.400 ha
Others	0.059 ha
Net area	3.715 ha
Ratio	0.840

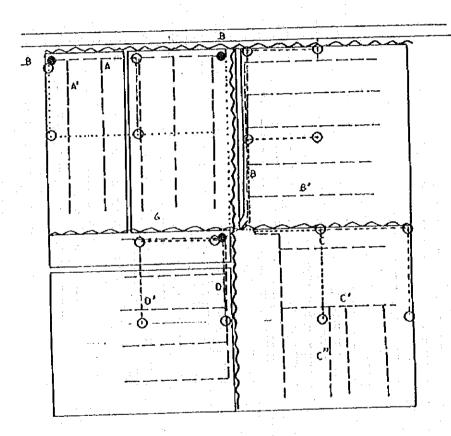
HAZOUA 3(4)



LEGEND	
Hydrand	
0	Turn-oul
	Concrete Canal
•••••	Pipe Line
	Earth Canal
·····	Drainage Canal

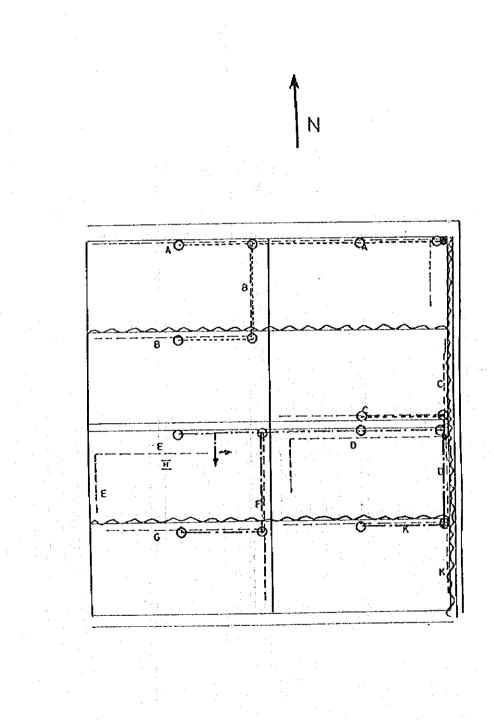
Gross area	6.114 ha
Irrig canal	0.288 ha
Drain canal	0.000 ha
Road	0.855 ha
Others	0.013 ha
Net area	4.958 ha
Ratio	0.810





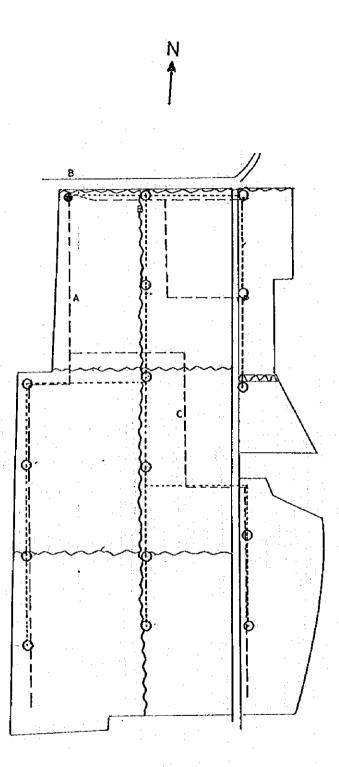
LEGEND	
•	Hydrand
0	Tum-out
	Concrete Canal
	Pipe Line
	Earth Canal
······	Drainage Canal

Gross area	4.100 ha
Irrig canal	0.255 ha
Drain canal	0.000 ha
Road	0.180 ha
Others	0.000 ha
Net area	3.665 ha
Ratio	0.890



LEGEND	
	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
ب ب م	- Earth Canal
	Drainage Canal

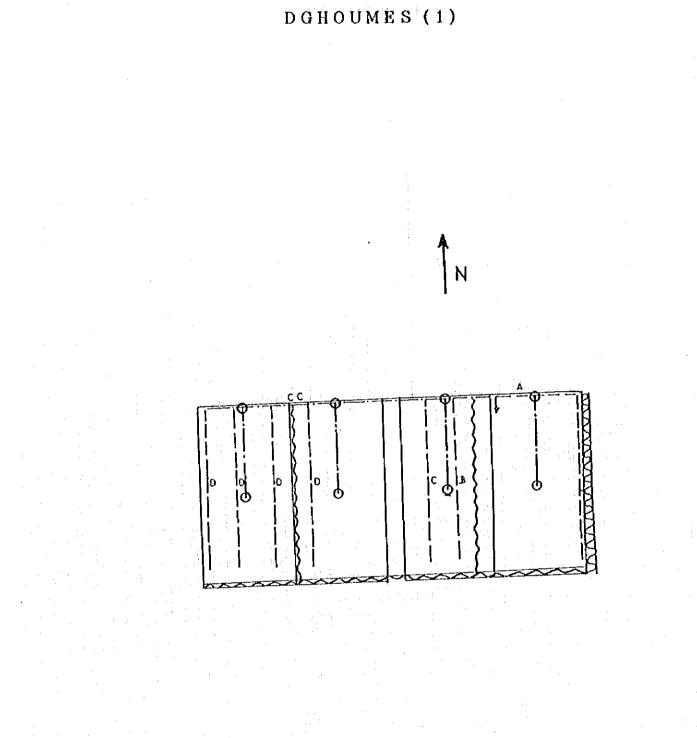
4.344 ha
0.193 ha
0.000 ha
0.340 ha
0.002 ha
3.809 ha
0.880



LI	EGEND
0	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
	Earth Canal
······	Drainage Canal

Gross area	4.252 ha
Imig canal	0.145 ha
Drain canal	7E-04 ha
Road	0.117 ha
Others	0.000 ha
Net area	3.990 ha
Ratio	0.940

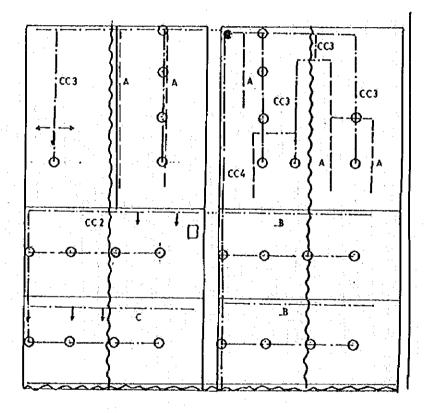




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	Hydrand		Irrig
0	Tum-out		Drai
	Concrete Canal	<u>.</u>	Roa
	Pipe Line		Othe
يت جنه مه	- Earth Canal		Net
	Drainage Canal	.1	Rati

Gross area	2.120 ha
Irrig canal	0.165 ha
Drain canal	0.025 ha
Road	0.100 ha
Others	0.000 ha
Net area	1.830 ha
Ratio	0.860

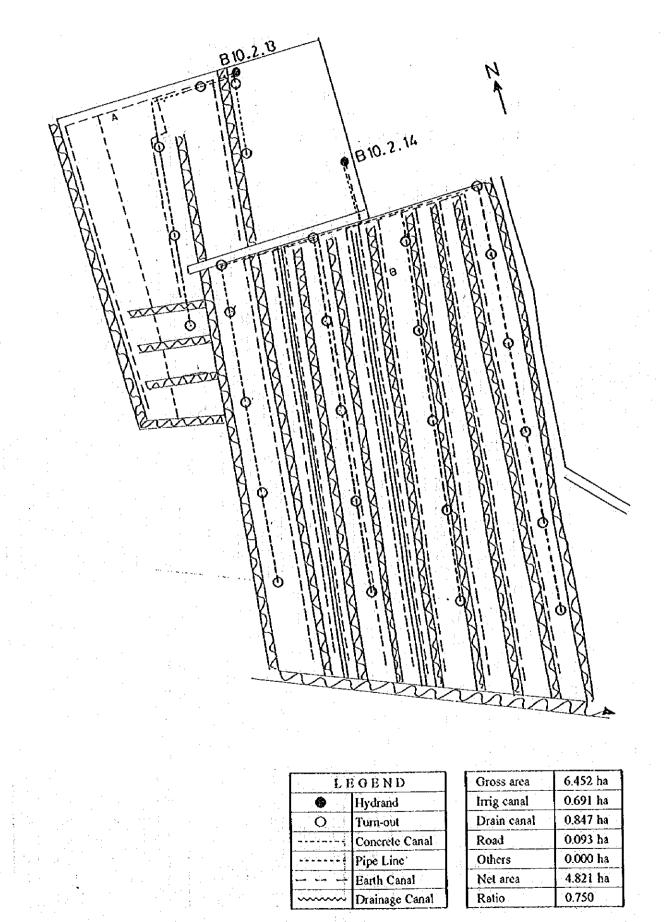




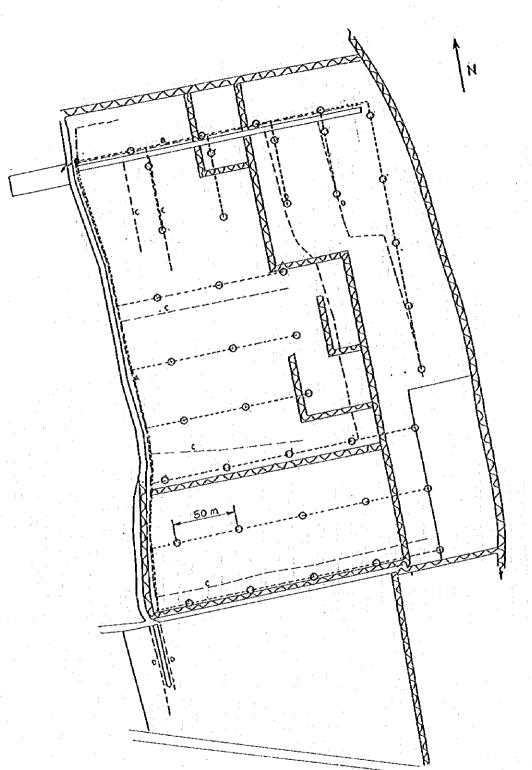
	EGEND
	Hydrand
0	Turn-out
	- Concrete Canal
	Pipe Line
	- Earth Canal
in	~ Drainage Canal

Gross area	4.200 ha
Inig canal	0.147 ha
Drain canal	0.000 ha
Road	0.191 ha
Others	0.003 ha
Net area	3.859 ha
Ratio	0.920

#### DEGACHE (1)



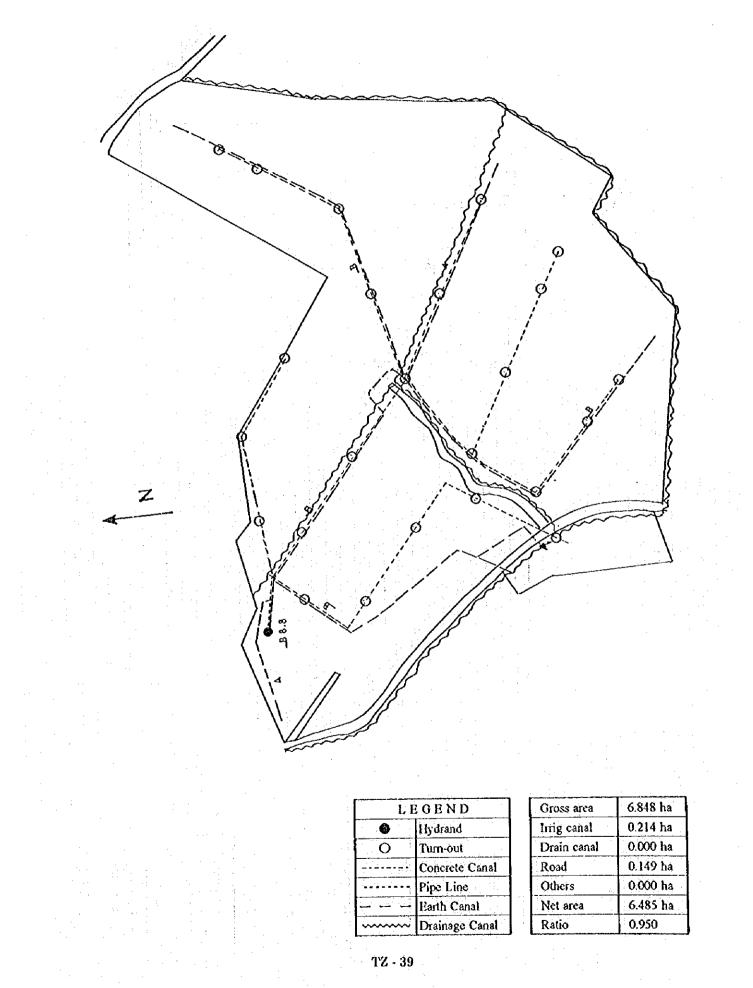
TZ - 37



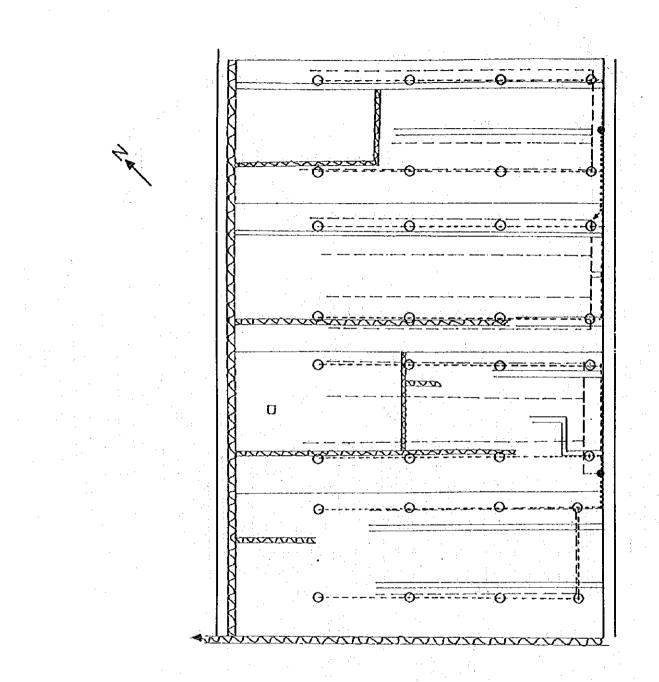
LI	EGEND
•	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
	Earth Canal
	Drainage Canal

.

Gross area	13.200 ha
Inig canal	0.525 ha
Drain canal	0.649 ha
Road	0.280 ha
Others	0.000 ha
Net area	11.750 ha
Ratio	0.890



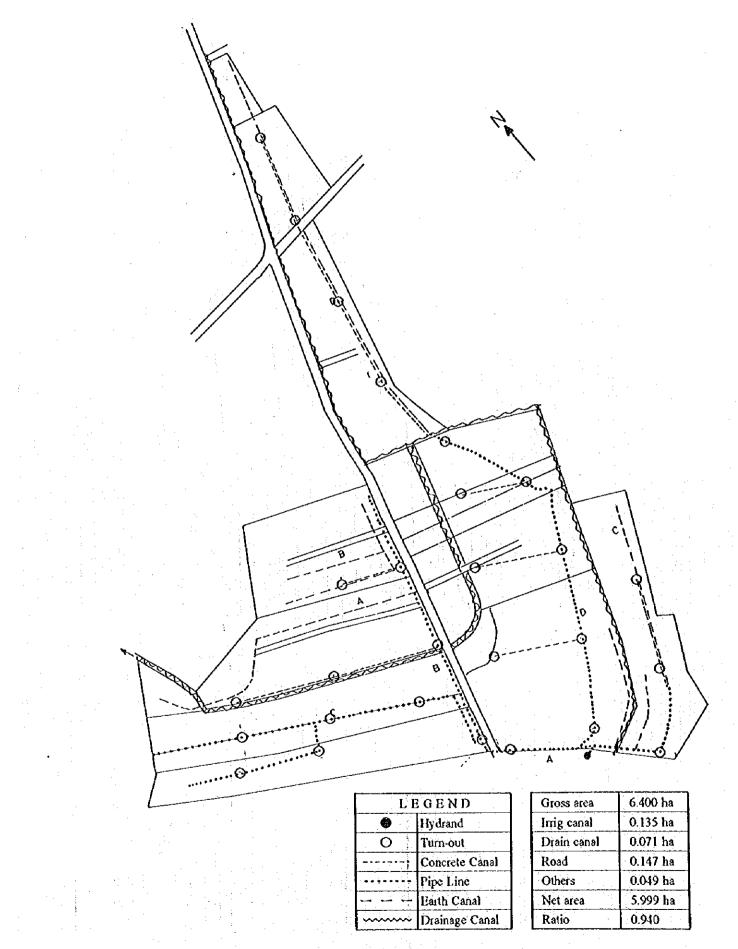
CHAKMOU



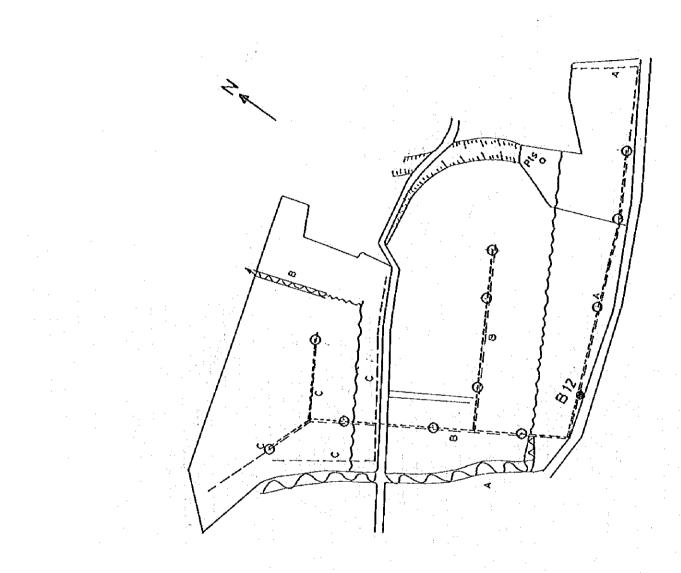
LEGEND	
0	Hydrand
0	Turn-out
	Concrete Canal
	Pipe Line
	Earth Canal
·····	Drainage Canal

Gross area	7.700 ha
Inig canal	0.267 ha
Drain canal	0.322 ha
Road	0.221 ha
Others	0.285 ha
Net area	6.605 ha
Ratio	0.860

TZ 40



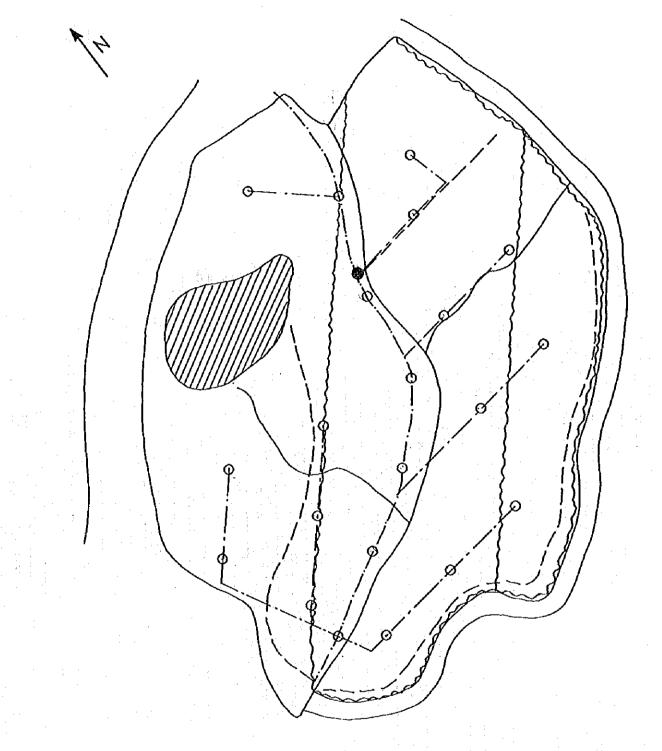
# EL HAMMA(2)



LF	EGEND	]	
	Hydrand		
0	Tum-out	1	
	Concrete Canal	1	
	Pipe Line		
مندر مندر منبو	Earth Canal	1.	
······	Drainage Canal	1	

Gross area	3.500 ha
Inig canal	0.119 ha
Drain canal	0.040 ha
Road	0.212 ha
Others	0.048 ha
Net area	3.081 ha
Ratio	0.880

TAMERZA

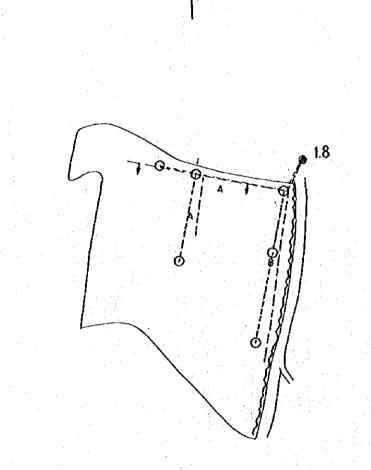


	L	EGEND	
	Hydrand		
	0	Tum-out	]
		Concrete Canal	
		Pipe Line	
	ي مب	· Earth Canal	
~		Drainage Canal	· '

Gross area	6.680 ha
Irrig canal	0.198 ha
Drain canal	0.000 ha
Road	0.000 ha
Others	0.000 ha
Net area	6.482 ha
Ratio	0.970

# CHEBIKA

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The second s		
LE	LEGEND	
Hydrand		
0	Turn-out	
	Concrete Canal	
	Pipe Line	
••• ••• •••	Earth Canal	
	Drainage Canal	

Gross area	1.384 ha
Inig canal	0.097 ha
Drain canal	0.000 ha
Road	0.045 ha
Others	0.000 ha
Net area	1.242 ha
Ratio	0.900

## FOUM EL KHANGA

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	L	GEND
	0	Hydrand
	0	Turn-out
		Concrete Canal
· . • ·		Pipe Line
		Earth Canal
÷	mini	Drainage Canal

	1.0
Gross area	1.376 ha
Irrig canal	0.194 ha
Drain canal	0.000 ha
Roađ	0.068 ha
Others	0.000 ha
Net area	1.113 ha
Ratio	0.810

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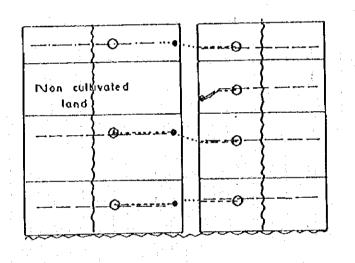
MIDES N G 5

	LEGEND	
1		Hydrand
н 1	0	Turn-out
		Concrete Canal
		Pipe Line
		Earth Canal
	······	Drainage Canal

Gross area	2.500 ha
Inig canal	0.033 ha
Drain canal	0.000 ha
Roád	0.000 ha
Others	0.000 ha
Net area	2.568 ha
Ratio	0.990

# AIN EL KARMA





· · · · · · · · · · · · · · · · · · ·		
	LEGEND	
		Hydrand
	0	Tum-out
		Concrete Canal
-		Pipe Line
: :		Earth Canal
	min	Drainage Canal

Gross area	1.909 ha
Irrig canal	0.058 ha
Drain canal	0.000 ha
Road	0.025 ha
Others	0. 020ha
Net area	1.806 ha
Ratio	0.950